COP SECURITY™
Professional CCTV

DIGITAL SOLUTIONS

Products certificate by UL RoHS CE LVD FC RTTE

Certificate of Registration

QUALITY MANAGEMENT SYSTEM - ISO 9001:2008

This is to certify that:

Cop Security System Corp.
4F
No. 7, Lane 130
Min-Chung Road
Hsin Tien District
New Taipei City
Taiwan

科寶電子股份有限公司
台灣
新北市
新店區
民權路130巷7號
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Holds Certificate No: **FM 40487**
and operates a Quality Management System which complies with the requirements of ISO 9001:2008 for the following scope:

The design and manufacture of CCTV control system and safety and security system.

For and on behalf of BSI:

Gary Fenton, Global Assurance Director

Originally registered: **11/09/1998** Latest Issue: **16/09/2012** Expiry Date: **15/09/2015**

Page: 1 of 2

This certificate was issued electronically and remains the property of BSI and is bound by the conditions of contract.
An electronic certificate can be authenticated online.
Printed copies can be validated at www.bsi-global.com/ClientDirectory or telephone +886 (02)2656-0333.

Information and Contact: BSI, Kitemark Court, Davy Avenue, Knowlhill, Milton Keynes MK5 8PP. Tel: + 44 845 080 9000
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Products Warranty and Payments

Warranty

- **COP Security System Corp. warrants the products will be free of defects under normal use for a period of 24 months from the date of delivery. (Exceptions apply)**
- **Any defects under normal use appear within a period of 12 months (6 months for domestic customers), the product can be returned for refurbishment FREE.**
- **Any faulty products, exclusive of free brand new packing materials, purchased within a period of 12~24 months are warranted a FREE repair service. Extra cost will be charged if brand new packing materials of refurbishment are required.**
- **Faulty products returned under warranty but are unable to be repaired or had stopped producing, the customers could purchase identically brand new model or similar specifications with 20~25% discount.**
- **Warranty Exceptions:**
  The following products are covered by limited warranty.

Infra Red Laps	*Monitors*	*Turning Device*	*Digital Soulution*	*Module*
1 Year	*1 Year*	*1 Year*	*1 Year*	*1 Year*

Liability Exclusive:

The followings are not covered by warranty. COP or the manufacture of the products shall charge by cases.

- Defects under improper usage, including incorrect usage and installation, abnormal surface abrasion, circuit burnout, out of shape from extrusion, external intrusion, dampened, warranty labels or strip seals damaged, or removed even unable to be recognized…etc.
- Consumed materials and routine maintenance.
- Warranty labels were torn; Customers disassemble, repair, or alter the goods without the written consent of COP's authorized officers.
- Hardware compatibility fails. (Except COP products)
- Unanticipated natural calamity. Ex. Lighting strikes, fires, earthquakes, and flood.
- Promotion products are not covered by Warranty Clauses, but products replaced while defects occurring under proper usage, or the products received within 3 months are acceptable.
- Product exchanging and repairs are not acceptable for cases bought on customers , behalf , and the wrong models order due to customers, factors.

Repair Coordination from Customers:

- Description for the problem of defected products.
- Serial numbers and models of products.

Payments

By Credit Card: VISA MasterCard

By Western Union:
Receiver: HUANG, SHENG-YU
Destination(City, Country): New Taipei City, Taiwan

台幣匯款帳號 (If you are paying in NTD)
銀行 : 上海商業儲蓄銀行　新店分行
戶名 : 科寶電子股份有限公司
帳號 : 29-101-000022022

Bank Transfer:
If you are paying in USD / JPY / GBP
Bank Name: The Shanghai Commercial & Savings Bank, LTD. Hsin Tien Branch
Account Name: COP SECURITY SYSTEM CORP.
Account Number: 29-108-00-0019599
Swift Code: SCSBTWTP029

RoHS CE FC
Specification subject to change without notice.

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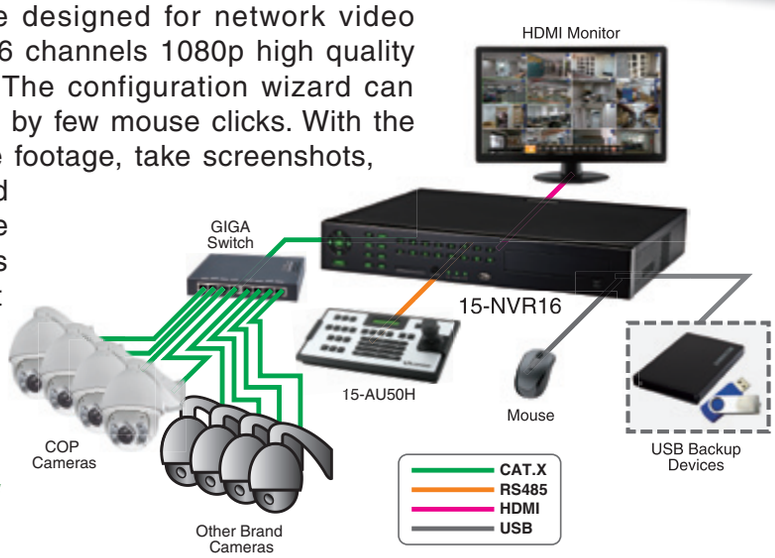
Best Network Video Record Solution

Full HD 1080p | HDMI | Email Notification | H.264 | CMS | Plug & Play | Easy Steup

COP 15-NVR16 is a rack mounted appliance designed for network video surveillance environment, can support up to 16 channels 1080p high quality recording and up to 18TB of usable storage. The configuration wizard can help you to setup your surveillance system just by few mouse clicks. With the user friendly GUI, you can now easily view live footage, take screenshots, operate PTZ cameras, playback by time and events searching, view the system log, change settings and more. You can also access 15-NVR16 by web browser and most smart phone from remote. 15-NVR16 provides a powerful and smart solution to quickly establish and easily manage your network video surveillance system.



Virus Free
Embedded Linux OS with zero administration

Easy Setup
Wizard for system setup in 10 mins

Easy Record
Quickly setup recording resolutions and recording type

Easy Search
Quickly search by time and events with GUI

Easy Backup
Auto copy what you are playing onto a USB flash drive

Easy Upgrade
USB or remote firmware upgrade supported

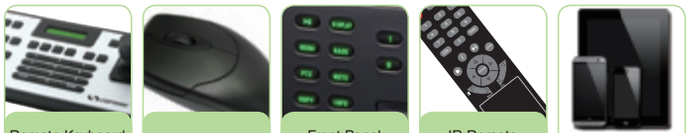
Smart Device Ready
Free APP for management on most smart devices

Fully Control the Cameras

Review by time & camera

Record by Schedule

Support max 16 Channels



Four ways to control the unit

16 Channels 1080P Network Video Recorder

15-NVR16

Virus Free: Embedded Linux OS with zero administration
Easy Setup: Wizard for system setup in 10 mins
Easy Record: Quickly setup recording resolutions and recording type
Easy Search: Quickly search by time and events with GUI
Easy Backup: Auto copy what you are playing onto a USB flash drive
Easy Upgrade: USB or remote firmware upgrade supported
Smart Device Ready: Free APP for management on most smart devices

FEATURES

- H.264 compression technology
- With up to 18TB of storage hard drives support
- Support storage configuration for normal, alarm, redundant and backup groups
- Support HDMI / VGA dual mode output
- Built in IP Search function for IP CAM communication
- IP CAM auto connection after network disconnection
- Support video masking function
- Support 4 channel 1080P (8M) real-time playback, and 16x fast forward, fast rewind.
- Exception for HDD Error, IP conflict, illegal access, network disconnection, disk group full and exception
- Support channel and streaming information
- Support Inspire IP CAM for one click connection with NVR communications

SPECIFICATIONS

System	
Operation System	Embedded Linux
Upgrade	External USB / Web Interface
Video	
Video Standard	NTSC / PAL
Compression Mode	H.264
Sub Code Resolution	VGA: 640x480; CIF: 352x288
Sub Code Rate	VGA: 1-25 fps, stream 128-5120 kbps, CIF: 1-15 fps, stream 32-512 kbps
Display	
Display Mode	Full screen / Multi-screen
Output	HDMI x 1 (1920x1080p, 60Hz), VGA x 1 (up to 1920x1080, 60Hz)
Sequence	Support
OSD	GUI
Recording	
Recording Mode	Continuous/Scheduled/Alarm/Motion detect
Recording Capability	HD 1080(1920x1080), SXGA(1280x1024), QVGA(1280x960), HD 720(1280x720), XVGA(1024x768), SVGA(800x600), D1(704x576), VGA(640 x 480), up to 30FPS (NTSC)
Pre Recording	10 seconds
Post Recording	300 or above seconds
Storage	6 x SATA; one SATA support 3TB HDD; up to 18 SATA
Backup Device	USB flash drive, USB HDD
Export	Through USB / Web Interface

Network	
Protocol	TCP/IP, DHCP client, PPPoE, DDNS, HTTP, Telnet, SMTP
WEB Interface	Support image preview, playback and device management (Based on Windows IE)
I/O	
Video input	1 x RJ 45, support up to 16 IP CAM
Video Output	HDMI: 1920x1080P, VGA: DIN-15
Alarm Input	16 x Alarm in
Alarm Output	4 x Alarm out
USB	2 Ports
LAN	RJ45 ; 10 / 100 / 1000Mbps
Remote Management	
Mobile Device	iOS / Android
CMS	YES
General	
Operation Temperature	-10°C to +50°C (Humidity: 20% ~ 80%RH)
Storage Temperature	-20°C to +60°C (Humidity: 20% ~ 80%RH)
Power supply	AC110 - 240V
Dimensions	440 x 69 x 367mm (WxHxD)

15-CDN5 Series Network Speed Dome Camera

Full HD 1080p | Email Notification | IP | H.264 | CMS | IR | Pan 360° | WDR | Day.Night | IP66 | Surge Protection | SD SLOT | Plug & Play | Easy Steup

COP 15-CDN5 Series Network Speed Dome Cameras offer a rich viewing experience with HDTV 1080p, and enable users at a remote location to pan 360°, tilt 100° (15-CDN510WI is 90°)for overview surveillance, and optical zoom up to 30x (when DCM230 camera module selected) for detailed views. With the super-bright IR LEDs, high image quality is maintained even in low light conditions. In addition, they have IP66-rated protection, Level 2 lightning protection, 3KV surge protection, and include built-in fan and heater. COP 15-CDN5 Series cameras are ideal for high performance indoor and outdoor surveillance.

Virus Free
1080p video resolution with H.264 compression

Flexible
Camera module selectable

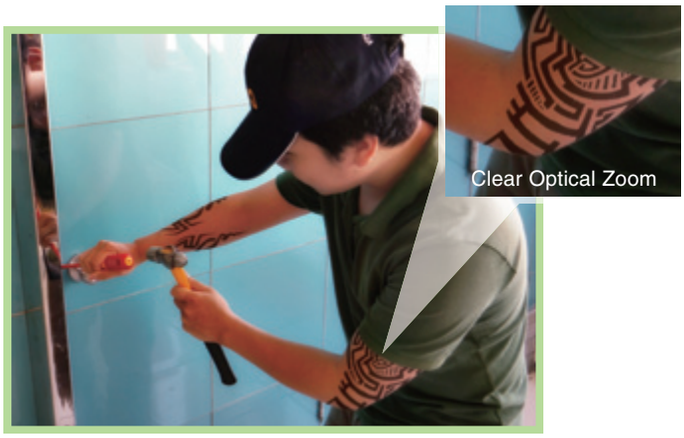
True PTZ
Pan: 360° / Tile: -10°~90° with auto flip

Easy Install
Suspended quick installation structure

Easy Setup
Full function by OSD control

Easy Upgrade
Firmware update via communication bus

Indestructible
IP66, Level 2 Lightning & 3KV surge protection



Clear Optical Zoom

Model	15-CDN510WI	15-CDN55WI
Lens	10x optical zoom, 2MP high resolution	CAM module selectable
Video Compression	H.264 main profile	
Resolutions	1920x1080 to 640x480, 5 levels selectable	
Frame Rate	Up to 25 FPS	
IR LED	Hi-Power 6pcs	Hi-Power 10pcs
Video Streaming	Multiple Streaming in H.264, Controllable frame rate and bandwidthVBR/CBR	
Range	Pan: 360° / Tile: 0°~90°	Pan: 360° / Tile: -10°~90°
Speed	Pan: 0.02-200° /S Tilt: 0.02-120° /S	Pan: 0.01-360° /S Tilt: 0.01-120° /S
Preset Point	127 presets with defined titles	256 presets with defined titles
Weight	2.5Kg	5.8kg

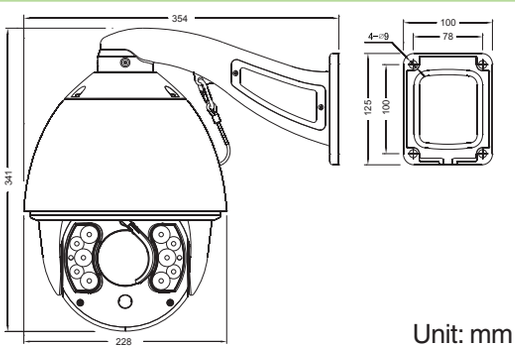
Network High Performance Speed Dome Camera

15-CDN55WI

Full HD: 1080p video resolution with H.264 compression
Flexible: Camera module selectable
True PTZ: Pan: 360° / Tile: -10°~90° with auto flip
Easy Install: Suspended quick installation structure
Easy Setup: Full function by OSD control
Easy Upgrade: Firmware update via communication bus
Indestructible: IP66 water proof
Level 2 lightning protection
3KV surge protection

FEATURES

- H.264 compression mode
- Programmable 256 preset positions
- 4 Pattern tours, each one with 600 secs memory 500 programmable instructions
- 8 auto scan tracks with settable left-right boundaries and scan speed
- 8 cruising tracks, each cruising track has 32 preset points
- Timing actions for 7 days of programmable schedule
- Built in auto tracking function with zoom in/out for objective moving display
- Wipers is equipped to keep a clear and crispy image
- Includes built-in fan and heater



SPECIFICATIONS

Camera	
Camera Module	FCB-EH6300 / FCB-EH6500 / DCM220 / DCM230 (Please refer to page 34)
Video	
Video Compression	H.264 main profile
Resolutions	1920x1080 to 640x480, 5 levels selectable
Frame Rate	Up to 25 FPS
IR LED	Hi-Power 10pcs
IR Range	Up to 150 meters
Video Streaming	Multiple streaming in H.264, controllable frame rate and bandwidth VBR/CBR
Image Setting	Brightness, sharpness, contrast, Day/Night mode, exposure control, image rotation, video mask
Privacy Mask	8 zones
Network	
Security	Password protection. Two level of multi-user authority management, up to 16 users
Supported protocols	TCP/IP, DHCP client, PPPOE, HTTP, SMTP, ONVIF
Event	
Intelligent Event	Motion Detection, IP confliction, Network connection, Disk Full, Disk Fault
Event Actions	Record / Snapshot / PTZ preset / E-mail

PTZ	
Range	Pan: 360° / Tile: -10°~90°
Speed	Pan: 0.01-360° /S Tilt: 0.01-120° /S
Preset	256 presets with defined titles
Auto Scan	8 auto scan tracks
Auto Tracking	Supported
Pattern Tour	4 patterns
Auto Cruising	8 cruising tracks
General	
Casing	Aluminum
Connectors	RJ45 10/100 Mbps
Alarm	4 in / 2 out
Edge Storage	SD/SDHC/SDXC slot support up to 32GB(card not included)
External Storage	Remote record / Inspire NVR
Operating Conditions	-10°C~55°C (Humidity <90%RH)
Protection	IP66 water proof, Level 2 lightning protection, 3KV surge protection
Power	DC12V ±10%, 50W
Weight	5.8kg

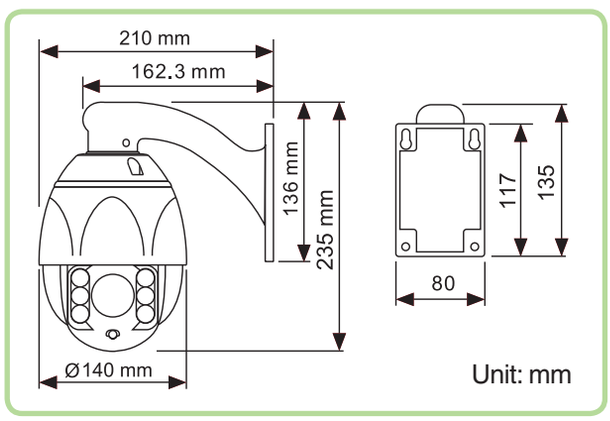
Network Mini Speed Dome Camera

15-CDN510WI

Full HD: 1080p video resolution with HD-SDI output
True PTZ: Pan: 360° / Tile: 0°~90° with auto flip
Easy Install: Suspended quick installation structure
Easy Setup: Full function by OSD control
Indestructible: IP66 water proof
Level 2 lightning protection
3KV surge protection

FEATURES

- SONY 1/2.8" Exmor CMOS Image Sensor
- 10X optical zoom
- H.264 compression mode
- 127 preset points and 8 groups for preset program
- 8 set of swing action
- 4 pattern tours, each with 5mins memory
  1200 programmable instructions
- Includes built-in fan and heater



SPECIFICATIONS

Camera	
Image Sensor	SONY 1/2.8" Exmor CMOS Image Sensor
Effective Pixel Size	1920(H)x1080(V)
Scanning System	Progressive
Synchronization	Internal
Digital Resolution	1920x1080p@30fps, 1280x720p@60fps
Lens	10X optical zoom 5-50mm/F2
S/N Ration	More than 50db
Min. Illumination	0.1 Lux (Color) ; 0.01 Lux (B/W)
ACG	YES
BLC	YES
WDR	YES
Shutter Speed	1/30~1/10,000sec
DSS / Sense-up	YES
Flickerless / FLK	YES
Brightness	YES
Day / Night Function	YES
White Balance	Auto / Indoor / Outdoor / Manual
DNR	2D-DNR
Mirror Function	YES
Sharpness	YES
Defog Function	YES
Auto IRIS	YES
Video	
Video Compression	H.264 main profile
Resolutions	1920x1080 to 640x480, 5 levels selectable
Frame Rate	Up to 25 FPS
IR LED	Hi-Power 6pcs
IR Range	Up to 50 meters
Video Streaming	Multiple streaming in H.264, controllable frame rate and bandwidth VBR/CBR
Image Setting	Brightness, sharpness, contrast, Day/Night mode, exposure control, image rotation, video mask
Privacy Mask	YES
Network	
Security	Password protection. Two level of multi-user authority management, up to 16 users
Supported protocols	TCP/IP, DHCP client, PPPOE, HTTP, SMTP, ONVIF
PTZ	
Range	Pan: 360° / Tile: 0°~90°
Speed	Pan: 0.02-360° /S ; Tilt: 0.02-120° /S
Preset	127 presets with defined titles
Auto Scan	1 auto scan track
Auto Tracking	Supported
Pattern Tour	4 patterns
Auto Cruising	YES
General	
Casing	Aluminum
Connectors	RJ45 10BASE-T/100BASE-TX
External Storage	Remote record / Inspire NVR
Operating Conditions	-10°C~55°C (Humidity <90%RH)
Protection	IP66 water proof / Level 2 lightning protection / 3KV surging prevention
Power	DC12V ±10%, 50W
Weight	2.5kg

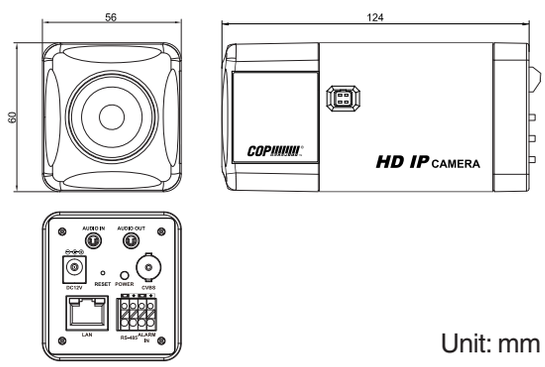
Network CS Mount Box Camera

15-CAN22

Full HD: 1080p video resolution with H.264 compression
Smart: Intelligent motion detection
Easy Install: Suspended quick installation structure
Easy Setup: Full function by OSD control

FEATURES

- SONY 1/2.8" Exmor CMOS Image Sensor
- Support CS mount lens
- Built in IR cut with Day & Night function
- Support Pre-recording function
- Support CVBS out, alarm in/out, RS485 remote control
- Support snapshot, remote recording by schedule setting
- Support 2-Way audio streaming



Unit: mm

SPECIFICATIONS

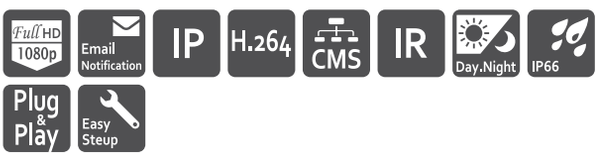
Camera	
Image Sensor	SONY 1/2.8" Exmor CMOS Image Sensor
Lens	CS mount lens
Day and Night	YES
Min. Illumination	0.2 Lux /F1.2
Pan / Tilt / Zoom	Electronic PTZ
Video	
Video Compression	H.264 main profile
Resolutions	HD 1080 (1920x1080), SXGA(1280x1024), QVGA(1280x960), HD 720(1280x720), XVGA(1024x768), SVGA(800x600), D1(704x576), VGA(640x480)
Frame Rate	Up to 25 FPS
S/N Ratio	More than 50dB
IR Cut	Supported
Video Streaming	Multiple streaming in H.264 Controllable frame rate and bandwidth VBR/CBR
Image Setting	Brightness / Sharpness / Contrast / Day&Night / Exposure control / Image rotation / Privacy mask
Audio	
Audio Streaming	2 ways
Audio Compression	G.711 / G.726
Audio Input / Output	External microphone input Line input / output

Network	
Security	Password protection.
Supported Protocols	2-levels of multi-user authority management, up to 16 users
Event	
Intelligent Event	Motion detection / IP confliction / Network connection / Disk full / Disk fault
Event Actions	Recording / Snapshot / E-mail
General	
Casing	Aluminum
Connectors	RJ45 x 1 (10 / 100 Mbps)
Edge Storage	SD/SDHC/SDXC slot supports up to 32 GB (Card not included)
External Storage	Remote record / Inspire NVR
Operating Conditions	-10°C to +50°C (Humidity: 20% ~ 80%RH)
Power	-20°C to +60°C (Humidity: 20% ~ 95%RH)
Weight	DC12V ±10%, 500mA 250 g

Network High Power IR Dome Camera

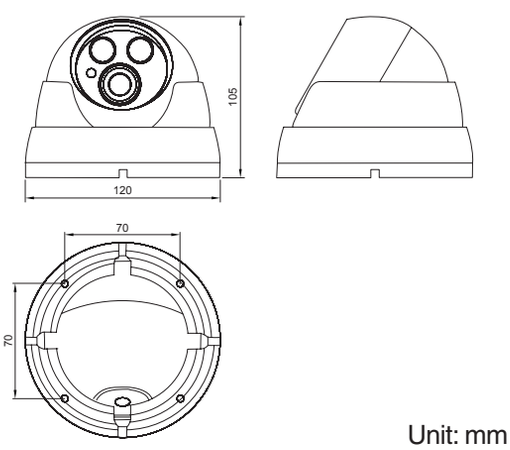
15-CDN22E

Full HD: 1080p video resolution with H.264 compression
Smart: Intelligent motion detection
Easy Install: Suspended quick installation structure
Easy Setup: Full function by OSD control



FEATURES

- SONY 1/2.8" Exmor CMOS Image Sensor
- 4mm fixed lens
- 0 lux@High power IR leds, range up to 30M
- Support auto white balance, auto exposure, auto gain, auto IRIS, AES, digital PTZ
- Built in IR cut with Day & Night function
- Support pre-recording function
- Support snapshot, remote recording by schedule setting
- IP66 water proof



Unit: mm

SPECIFICATIONS

Camera	
Image Sensor	SONY 1/2.8" Exmor CMOS Image Sensor
Lens	4mm Fixed Lens
Day and Night	YES
Min. Illumination	0.2Lux F1.2 / 0Lux with IR On
Pan / Tilt / Zoom	Electronic PTZ
Video	
Video Compression	H.264 main profile
Resolutions	HD 1080 (1920x1080), SXGA(1280x1024), QVGA(1280x960), HD 720(1280x720), XVGA(1024x768), SVGA(800x600), D1(704x576), VGA(640x480)
Frame Rate	Up to 25 FPS
S/N Ratio	More than 50dB
IR LED	Supported
IR Cut	Multiple streaming in H.264 Controllable frame rate and bandwidth VBR/CBR
Video Streaming	Brightness / Sharpness / Contrast / Day&Night / Exposure control / Image rotation / Privacy mask
Pan / Tilt / Zoom	Electronic PTZ
Image Setting	Brightness, Sharpness, Contrast, Day/night mode, exposure control, Image rotation, Video Mask

Network	
Security	Password protection. 2-levels of multi-user authority management, up to 16 users
Supported Protocols	TCP/IP, DHCP client, PPPOE, HTTP, SMTP, ONVIF
Event	
Intelligent Event	Motion Detection, IP confliction, Network connection, Disk Full, Disk Fault
Event Actions	Recording / Snapshot / E-mail
General	
IR Leds	High power 2pcs
IR Range	Up to 30m
Casing	Aluminum
Connectors	Remote record / Inspire NVR
External Storage	-10°C to +50°C (Humidity: 20% ~ 80%RH)
Operating Conditions	-20°C to +60°C (Humidity: 20% ~ 95%RH)
Protection	IP66 water proof
Power	DC12V ±10%, 1A (PoE optional)
Weight	630g

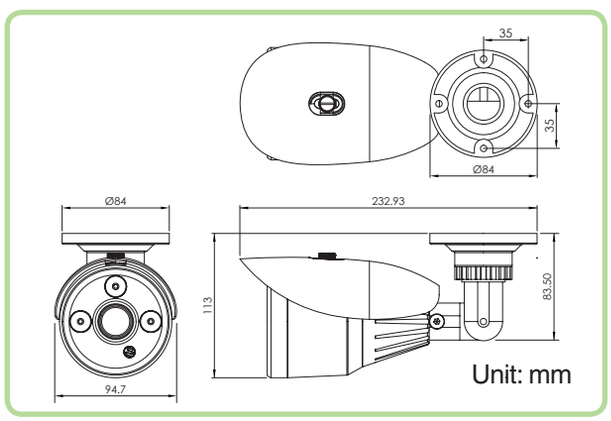
Network High Power IR Bullet Camera

15-CMN22E

Full HD: 1080p video resolution with H.264 compression
Smart: Intelligent motion detection
Easy Install: Suspended quick installation structure
Easy Setup: Full function by OSD control

FEATURES

- SONY 1/2.8" Exmor CMOS Image Sensor
- 4mm Fixed Lens
- 0 lux@High power IR leds, range up to 40M
- Support white balance, auto exposure, auto gain, auto IRIS, AES, digital PTZ
- Built in IR cut with Day & Night function
- Support pre-recording function
- Support snapshot, remote recording by schedule setting
- IP66 water proof



SPECIFICATIONS

Camera	
Image Sensor	SONY 1/2.8" Exmor CMOS Image Sensor
Lens	4mm fixed lens
Day and Night	YES
Min. Illumination	0.2 Lux /F1.2 (0 Lux with IR on)
Pan / Tilt / Zoom	Electronic PTZ
Video	
Video Compression	H.264 main profile
Resolutions	HD 1080 (1920x1080), SXGA(1280x1024), QVGA(1280x960), HD 720(1280x720), XVGA(1024x768), SVGA(800x600), D1(704x576), VGA(640x480)
Frame Rate	Up to 25 FPS
S/N Ratio	More than 50dB
IR Cut	Supported
Video Streaming	Multiple streaming in H.264 Controllable frame rate and bandwidth VBR/CBR
Image Setting	Brightness / Sharpness / Contrast / Day&Night / Exposure control / Image rotation / Privacy mask
Network	
Security	Password protection. 2-levels of multi-user authority management, up to 16 users
Supported Protocols	TCP/IP, DHCP client, PPPOE, HTTP, SMTP, ONVIF

Event	
Intelligent Event	Motion detection / IP confliction / Network connection / Disk full / Disk fault
Event Actions	Recording / Snapshot / E-mail
General	
IR Leds	High power 3pcs
IR Range	Up to 40m
Casing	Aluminum
Connectors	RJ45 x 1 (10 / 100 Mbps)
External Storage	Remote record / Inspire NVR
Operating Conditions	-10°C to +50°C (Humidity: 20% ~ 80%RH)
Storage Conditions	-20°C to +60°C (Humidity: 20% ~ 95%RH)
Protection	IP66 water proof
Power	DC12V ±10%, 1A (PoE optional)
Weight	705g

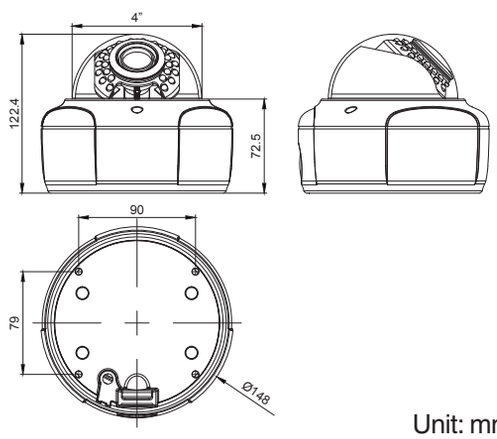
Network IR Dome Camera

15-CDN21VE

Full HD: 1080p video resolution with H.264 compression
Smart: Intelligent motion detection
Easy Install: Suspended quick installation structure
Easy Setup: Full function by OSD control

FEATURES

- SONY 1/2.8" Exmor CMOS Image Sensor
- Varifocal auto IRIS lens 2.8mm~12mm
- 0 lux@IR led x 30, range up to 20 meters
- Support auto white balance, auto exposure, auto gain, auto IRIS, AES, digital PTZ
- Built in IR cut with Day & Night function
- Support pre-recording function
- Support snapshot, remote recording by schedule setting
- IP66 water proof and vandal proof



Unit: mm

SPECIFICATIONS

Camera	
Image Sensor	SONY 1/2.8" Exmor CMOS Image Sensor
Lens	Varifocal auto IRIS lens 2.8~12mm
Day and Night	YES
Min. Illumination	0.2 Lux /F1.2 (0 Lux with IR on)
Pan / Tilt / Zoom	Electronic PTZ
Video	
Video Compression	H.264 main profile
Resolutions	HD 1080 (1920x1080), SXGA(1280x1024), QVGA(1280x960), HD 720(1280x720), XVGA(1024x768), SVGA(800x600), D1(704x576), VGA(640x480)
Frame Rate	Up to 25 FPS
S/N Ratio	More than 50dB
IR Cut	Supported
Resolution	Multiple streaming in H.264 Controllable frame rate and bandwidth VBR/CBR
Frame Rate	Brightness / Sharpness / Contrast / Day&Night / Exposure control / Image rotation / Privacy mask
Video Streaming	Multiple Streaming in H.264, Controllable frame rate and band width VBR/CBR
Image Setting	Brightness, Sharpness, Contrast, Day/night mode, exposure control, Image rotation, Video Mask

Network	
Security	Password protection. 2-levels of multi-user authority management, up to 16 users
Supported Protocols	TCP/IP, DHCP client, PPPOE, HTTP, SMTP, ONVIF
Event	
Intelligent Event	Motion detection / IP confliction / Network connection / Disk full / Disk fault
Event Actions	Recording / Snapshot / E-mail
General	
IR Leds	30pcs
IR Range	Up to 20m
Casing	Aluminum
External Storage	RJ45 x 1 (10/100Mb)
External Storage	Remote record / Inspire NVR
Operating Conditions	-10°C to +50°C (Humidity: 20% ~ 80%RH)
Storage Conditions	-20°C to +60°C (Humidity: 20% ~ 95%RH)
Protection	IP66 water proof Vandal proof
Power	DC12V ±10%, 1A (PoE optional)
Weight	900g

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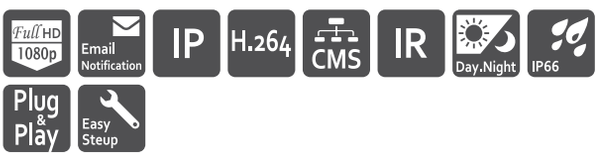
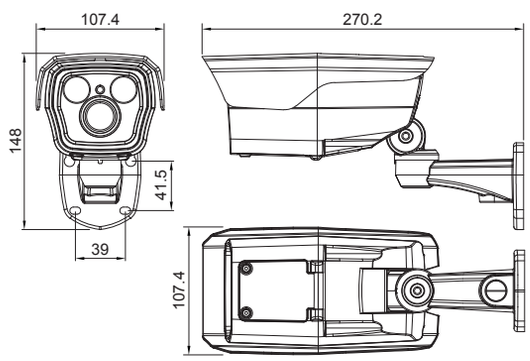
Network High Power IR Bullet Camera

15-CMN22VE

Full HD: 1080p video resolution with H.264 compression
Smart: Intelligent motion detection
Easy Install: Suspended quick installation structure
Easy Setup: Full function by OSD control





FEATURES

- SONY 1/2.8” Exmor CMOS Image Sensor
- Varifocal auto IRIS lens 2.8~12mm
- 0 lux@High power IR leds, range up to 30M
- Support auto white balance, auto exposure, auto gain, auto IRIS, AES, digital PTZ
- Built in IR cut with Day & Night function
- Support pre-recording function
- Support snapshot, remote recording by schedule setting
- IP66 water proof

SPECIFICATIONS

Camera	
Image Sensor	SONY 1/2.8" Exmor CMOS Image Sensor
Lens	Varifocal auto IRIS lens 2.8~12mm
Day and Night	YES
Min. Illumination	0.2 Lux /F1.2 (0 Lux with IR on)
Pan / Tilt / Zoom	Electronic PTZ
Video	
Video Compression	H.264 main profile
Resolutions	HD 1080 (1920x1080), SXGA(1280x1024), QVGA(1280x960), HD 720(1280x720), XVGA(1024x768), SVGA(800x600), D1(704x576), VGA(640x480)
Frame Rate	Up to 25 FPS
S/N Ratio	More than 50dB
IR CUT	Supported
Video Streaming	Multiple streaming in H.264 Controllable frame rate and bandwidth VBR/CBR
Image Setting	Brightness / Sharpness / Contrast / Day&Night / Exposure control / Image rotation / Privacy mask
Network	
Security	Password protection. 2-levels of multi-user authority management, up to 16 users
Supported Protocols	TCP/IP, DHCP client, PPPOE, HTTP, SMTP, ONVIF

Event	
Intelligent Event	Motion detection / IP confliction / Network connection / Disk full / Disk fault
Event Actions	Recording / Snapshot / E-mail
General	
IR Leds	High power 2pcs
IR Range	Up to 30m
Casing	Aluminum
Connectors	RJ45 x 1 (10 / 100 Mbps)
External Storage	Remote record / Inspire NVR
Operating Conditions	-10°C to +50°C (Humidity: 20% ~ 80%RH)
Storage Conditions	-20°C to +60°C (Humidity: 20% ~ 95%RH)
Protection	IP66 water proof
Power	DC12V ±10%, 1A (PoE optional)
Weight	971g

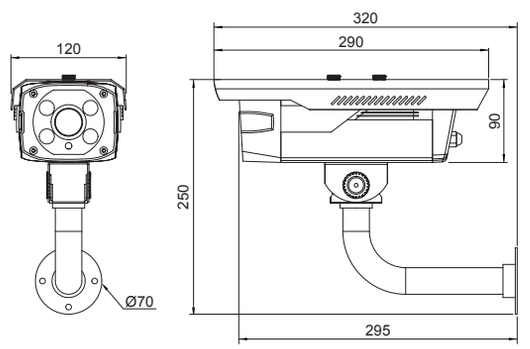
Network High Power IR Outdoor Camera

15-CMN23E

Full HD: 1080p video resolution with H.264 compression
Smart: Intelligent motion detection
Easy Install: Suspended quick installation structure
Easy Setup: Full function by OSD control

FEATURES

- SONY 1/2.8” Exmor CMOS Image Sensor
- 8mm fixed lens
- 0 lux@High power IR led x 4, range up to 50 meters
- Support auto white balance, auto exposure, auto gain, auto IRIS, AES, digital PTZ
- Built in IR cut with Day & Night function
- Support pre-recording function
- Support snapshot, remote recording by schedule setting
- IP66 water proof



Unit: mm

SPECIFICATIONS

Camera	
Image Sensor	SONY 1/2.8" Exmor CMOS Image Sensor
Lens	8mm fixed lens
Day and Night	YES
Min. Illumination	0.2 Lux /F1.2 (0 Lux with IR on)
Pan / Tilt / Zoom	Electronic PTZ
Video	
Video Compression	H.264 main profile
Resolutions	HD 1080 (1920x1080), SXGA(1280x1024), QVGA(1280x960), HD 720(1280x720), XVGA(1024x768), SVGA(800x600), D1(704x576), VGA(640x480)
Frame Rate	Up to 25 FPS
S/N Ratio	More than 50dB
IR Cut	Supported
Video Streaming	Multiple streaming in H.264 Controllable frame rate and bandwidth VBR/CBR
Image Setting	Brightness / Sharpness / Contrast / Day&Night / Exposure control / Image rotation / Privacy mask
Network	
Security	Password protection. 2-levels of multi-user authority management, up to 16 users
Supported Protocols	TCP/IP, DHCP client, PPPOE, HTTP, SMTP, ONVIF

Event	
Intelligent Event	Motion detection / IP confliction / Network connection / Disk full / Disk fault
Event Actions	Recording / Snapshot / E-mail
General	
IR Leds	High power 4pcs
IR Range	Up to 50m
Casing	Aluminum
Connectors	RJ45 x 1 (10 / 100 Mbps)
External Storage	Remote record / Inspire NVR
Operating Conditions	-10°C to +50°C (Humidity: 20% ~ 80%RH)
Storage Conditions	-20°C to +60°C (Humidity: 20% ~ 95%RH)
Protection	IP66 water proof
Power	DC12V ±10%, 1.5A (PoE optional)
Weight	1620g

Model		15-CAN22	15-CDN22E	15-CMN22E	15-CDN21VE	15-CMN22VE	15-CMN23E
Camera	Image Sensor	SONY 1/2.8" Exmor CMOS Image Sensor					
	Lens	CS mount lens	4mm fixed lens		Varifocal auto IRIS lens 2.8~12mm		8mm fixed lens
	Day and night	YES					
	Min. Illumination	0.2 Lux /F1.2	0.2 Lux /F1.2 (0 Lux with IR on)				
	Pan / Tilt / Zoom	Electronic PTZ					
Video	Video Compression	H.264 main profile					
	Resolutions	HD 1080 (1920x1080), SXGA(1280x1024), QVGA(1280x960), HD 720(1280x720), XVGA(1024x768), SVGA(800x600), D1(704x576), VGA(640x480)					
	Frame Rate	Up to 25 FPS					
	S/N Ratio	More than 50dB					
	IR Cut	Supported					
	Video Streaming	Multiple streaming in H.264 Controllable frame rate and bandwidth VBR/CBR					
	Image Setting	Brightness / Sharpness / Contrast / Day&Night / Exposure control / Image rotation / Privacy mask					
Audio	Audio Streaming	2 ways	X				
	Audio compression	G.711 / G.726	X				
	Audio Input / Output	External microphone input Line input / output	X				
Network	Security	Password protection. 2-levels of multi-user authority management, up to 16 users					
	Supported Protocols	TCP/IP, DHCP client, PPPOE, HTTP, SMTP, ONVIF					
Event	Intelligent Event	Motion detection / IP confliction / Network connection / Disk full / Disk fault					
	Event Actions	Recording / Snapshot / E-mail					
General	IR Leds	X	High power 2pcs	High power 3pcs	30pcs	High power 2pcs	High power 4pcs
	IR Range	X	Up to 30m	Up to 40m	Up to 20m	Up to 30m	Up to 50m
	Casing	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum
	Connectors	RJ45 x 1 (10 / 100 Mbps)	RJ45 x 1 (10 / 100 Mbps)				
	Edge Storage	SD/SDHC/SDXC slot supports up to 32 GB (Card not included)	X	X	X	X	X
	External Storage	Remote record / Inspire NVR					
	Operating Conditions	-10°C to +50°C (Humidity: 20% ~ 80%RH)					
	Storage Conditions	-20°C to +60°C (Humidity: 20% ~ 95%RH)					
	Power	DC12V ±10%, 500mA	DC12V ±10%, 1A (PoE optional)				DC12V ±10%, 1.5A (PoE optional)
	Weight	250 g	630g	705g	900g	971g	1620g

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Ethernet to Coaxial Transceiver (180m)

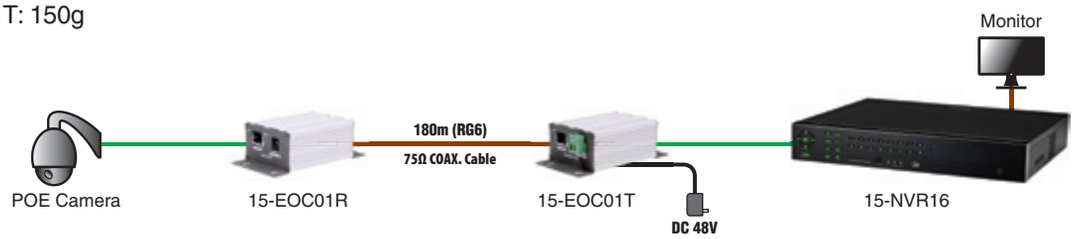
15-EOC01K

SPECIFICATIONS

- 10/100 Mbps full duplex ethernet interface
- Range up to 180m on RG6 coaxial cable
- Plug and play, no configuration needed
- 15-EOC01T: Device Unit-IEEE 802.3af PD Side, use DC48V adaptor
- 15-EOC01R: Host Unit-IEEE 802.3af PSE Side, support DC12V, 700mA (Max) to (PoE) IP camera
- Dimension:
  61x36.4x82mm (WxHxD)
- Weight:
  15-EOC01R: 153g
  15-EOC01T: 150g

15-EOC01T

15-EOC01R



Ethernet to Coaxial Transceiver (2km)

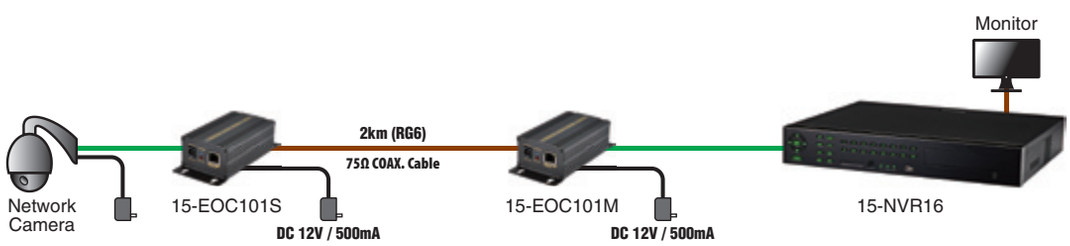
15-EOC101K

SPECIFICATIONS

- 10/100 Mbps full duplex ethernet interface
- Range up to 2km on RG6 coaxial cable
- 1 x 15-EOC101M supports up to
  8 x 15-EOC101S
- Plug and play, no configuration needed
- Power: DC12V, 500mA
- Dimension: 61x36.4x101mm
  (WxHxD)
- Weight: 185g

15-EOC101M

15-EOC101S



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4CH Ethernet to Coaxial Transceiver (500m)

15-EOC104K

SPECIFICATIONS

- 10/100 Mbps full duplex ethernet interface
- Plug and play, no configuration needed
- 1 x 15-EOC104M supports up to 8 x 15-EOC101S
- Range up to 500m for each channel on RG6 coaxial cable
- Power: DC12V, 500mA
- Dimension:
  15-EOC104M: 145x32.2x150mm (WxHxD)
  15-EOC101S: 61x36.4x101mm (WxHxD)
- Weight:
  15-EOC104M: 480g
  15-EOC101S: 185g

15-EOC104M

15-EOC101S

Ethernet to Coaxial Transceiver with Video (500m)

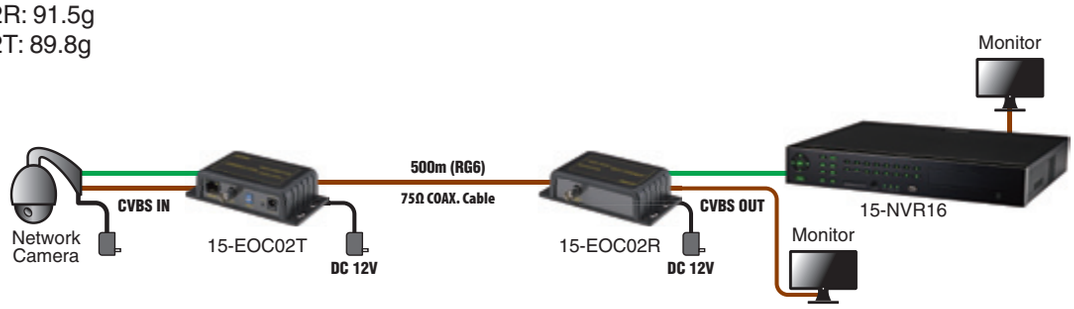
15-EOC02K

SPECIFICATIONS

- SLOC (Security Link Over Coax) simultaneous transmission of IP video data and analog CVBS video over coaxial
- Range up to 500m for RG6 coaxial cable
- 10/100 Mbps full duplex ethernet interface
- Plug and play, no configuration needed
- Downlink up to 36Mbps (from camera to NVR)
- Uplink up to 11Mbps (from NVR to camera)
- Power: DC12V, 500mA
- Dimension: 120x30x65mm (WxHxD)
- Weight:
  15-EOC02R: 91.5g
  15-EOC02T: 89.8g

15-EOC02T

15-EOC02R



1x2 Ethernet to Coaxial Injector with Surge Protection

15-BR102B

SPECIFICATIONS

- 3 BNC input or output
- Supports EOC and EOC with power
- Built in 6KV surge protection
- DC to 100MHz band width
- Dimension: 42x22x42mm (WxHxD)
- Weight: 40g

10/100/1000 PoE LAN Surge Protector

15-SP06P

SPECIFICATIONS

- IEEE802.3af , IEEE802.3at and PoE++ compatible
- 10/100 Base-T LAN surge protection.
- RJ45 jack to RJ45 jack
- Built in 6KV surge protection
- Built in 15KV electrostatic discharge
- Power and signal line protection
- Dimension: 42x22x42mm (WxHxD)
- Weight: 30g

10/100/1000 Isolation LAN Surge Protector

15-SP06U

SPECIFICATIONS

- RJ45 Jack to RJ45 Jack
- Four pairs protection
- Built in 6KV surge protection
- Built in 15KV electrostatic discharge
- Dimension: 31x23x61mm (WxHxD)
- Weight: 28g

The major component was approved by UL, E232249

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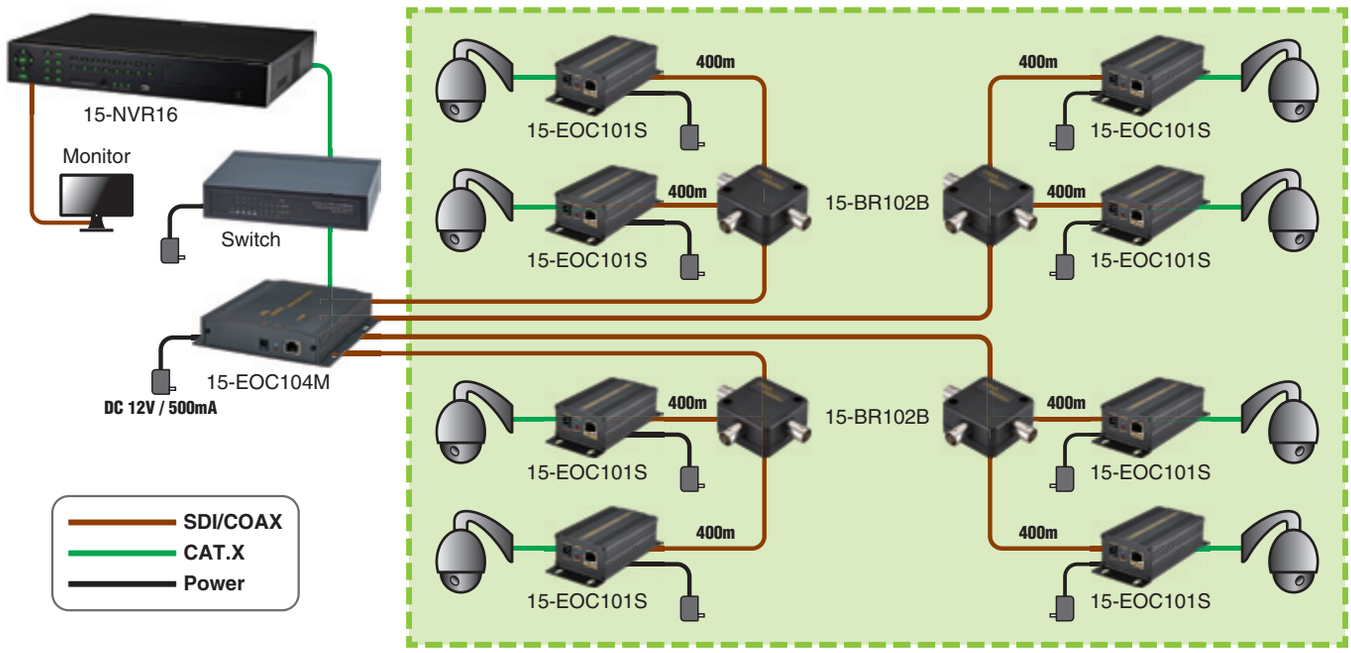
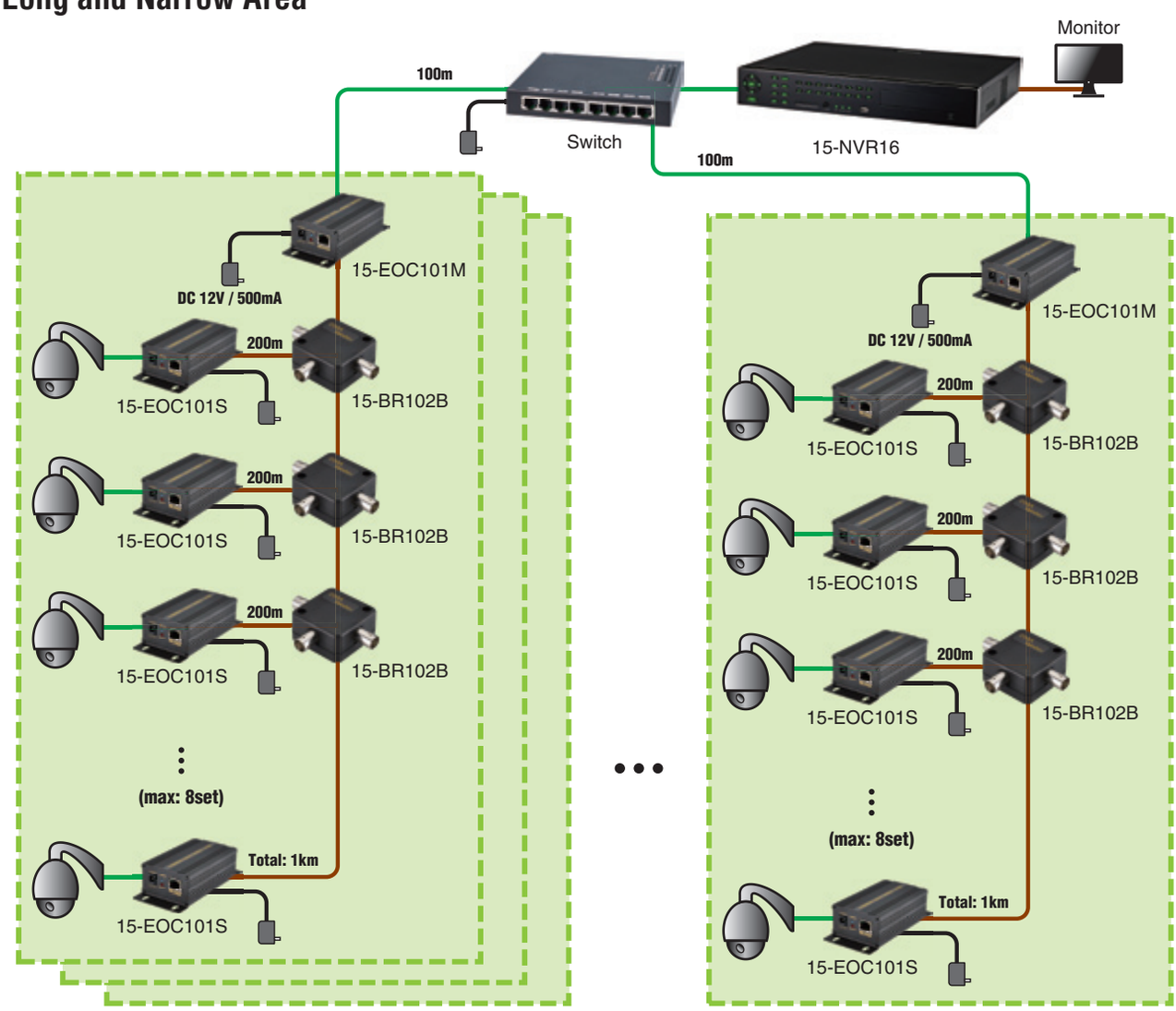
Square Area



Long and Narrow Area



8 Ports Gigabit Ethernet Switch

EW-3080

SPECIFICATIONS

- 8x 10/100/1000Mbps TX Switching port
- Compatible with IEEE 802.3 10Base-T, IEEE 802.3u 100Base-TX, IEEE 802.3ab 1000Base-T, IEEE 802.3z 1000Base-SX/LX
- Compatible with IEEE 802.3x Flow control; back pressure for Half-duplex and for Full-duplex mode
- All ports support Auto-MDIX function
- Auto-learning networking configurations
- Power Supply: DC 12V, 10W
- Dimension: 155x26x94mm (WxHxD)
- Weight: 392g

16 Ports Gigabit with 2 SPF Ethernet L2 Switch

EW-3162FS

SPECIFICATIONS

- 16x 10/100/1000Mbps TX Switching port
- 2 ports of Gigabit SFP Slot
- Compatible with IEEE 802.3 10Base-T, IEEE 802.3u 100Base-TX, IEEE 802.3ab 1000Base-T, IEEE 802.3z 1000Base-SX/LX
- Compatible with IEEE 802.3x Flow control; back pressure for Half-duplex and for Full-duplex mode
- All ports support Auto-MDIX function
- Auto-learning networking configurations
- Web-based Management
- Internal Power supply: AC input (90~260V/AC, 50~60Hz) UL Safety, 15W
- Dimension :440x44x220mm (WxHxD) (1U high)
- Weight: 1.5Kg

24 Ports Gigabit with 2 SPF Ethernet L2 Switch

EW-3242FS

SPECIFICATIONS

- 24x 10/100/1000Mbps TX Switching port
- 2 ports of Gigabit SFP Slot
- Compatible with IEEE 802.3 10Base-T, IEEE 802.3u 100Base-TX, IEEE 802.3ab 1000Base-T, IEEE 802.3z 1000Base-SX/LX
- Compatible with IEEE 802.3x Flow control; back pressure for Half-duplex and for Full-duplex mode
- All ports support Auto-MDIX function
- Auto-learning networking configurations
- Web-based Management
- Internal Power supply: AC input (90~260V/AC, 50~60Hz) UL Safety, 15W
- Dimension :440x44x220mm (WxHxD) (1U high)
- Weight: 1.5Kg

RoHS CE FC
Specification subject to change without notice.

8 Ports 10/100Mbps PSE with 2 Gigabit Ports Switch

LW-5082U

SPECIFICATIONS

- 8 Port PSE/ PoE function, compliant with IEEE802.3af class3/class 2/class 1 andIEEE802.3at
- Supporting the power up 30W for each PSE/PoE port
- Providing 8x 10/100Mbps and 2x10/100/1000Mbps switching ports
- Compatible with IEEE 802.3 10Base-T, IEEE 802.3u 100Base-TX, IEEE 802.3ab 1000Base-T, IEEE 802.3z 1000Base-SX/LX
- Compatible with IEEE 802.3x Flow control;back pressure for Half-duplex and for Full-duplex mode
- All ports support Auto-MDIX function
- Auto-learning networking configurations
- Status LEDs: System Power, Link/Activity, and PoE/PSE on line
- Internal Power supply: AC input (90~260V/AC, 50~60Hz) UL Safety, 130W
- Dimension: 263x44x160mm (WxHxD)
- Weight: 1.6Kg

16 Ports 10/100Mbps PSE with 2 Gigabit Ports Switch

LW-5162U

SPECIFICATIONS

- 16 Port PSE/ PoE function, compliant with IEEE802.3af class3/class 2/class 1 andIEEE802.3at
- Supporting the power up 30W for each PSE/PoE port
- Providing 16x 10/100Mbps and 2x10/100/1000Mbps switching ports
- Compatible with IEEE 802.3 10Base-T, IEEE 802.3u 100Base-TX, IEEE 802.3ab 1000Base-T, IEEE 802.3z 1000Base-SX/LX
- Compatible with IEEE 802.3x Flow control;back pressure for Half-duplex and for Full-duplex mode
- All ports support Auto-MDIX function
- Auto-learning networking configurations
- Status LEDs: System Power, Link/Activity, and PoE/PSE on line
- Internal Power supply: AC input (90~260V/AC, 50~60Hz) UL Safety, 250W
- Dimension: 440x44x220mm (WxHxD)
- Weight: 3.5Kg

24 Ports 10/100Mbps PSE with 2 Gigabit Ports Switch

LW-5242U

SPECIFICATIONS

- 24 Port PSE/ PoE function, compliant with IEEE802.3af class3/class 2/class 1 andIEEE802.3at
- Supporting the power up 30W for each PSE/PoE port
- Providing 24x 10/100Mbps and 2x10/100/1000Mbps switching ports
- Compatible with IEEE 802.3 10Base-T, IEEE 802.3u 100Base-TX, IEEE 802.3ab 1000Base-T, IEEE 802.3z 1000Base-SX/LX
- Compatible with IEEE 802.3x Flow control;back pressure for Half-duplex and for Full-duplex mode
- All ports support Auto-MDIX function
- Auto-learning networking configurations
- Status LEDs: System Power, Link/Activity, and PoE/PSE on line
- Internal Power supply: AC input (90~260V/AC, 50~60Hz) UL Safety, 380W
- Dimension: 440x44x326mm (WxHxD)
- Weight: 5Kg

IEEE 802.3af Smart PoE Injector (PSE)

EA-PSE01AF

SPECIFICATIONS

- 10/100M PoE injector up to 100m to PD
- 1x Data input and 1xData + Power output via RJ-45
- Over voltage protection and short circuit protection
- LED indicator for power function enable
- Dual DC Power Input: 3-pin screw terminal block and power jack
- Power input/output: DC 48V Max. 15.4W (Power adapter included)
- Dimension: 80x24x68mm (WxHxD)
- Weight: 55g

IEEE 802.3af Smart PoE Splitter (PD)

EA-PD01AF

SPECIFICATIONS

- 10/100M PoE splitter
- 1xData+Power input and 1xData output via RJ-45
- One Power output
- Autodetect PoE equipment, protect device from being damaged by incorrect link
- Over voltage protection and short circuit protection
- LED indicator for power function enable
- Power Consumption: Max 2W
- Power output: DC 12V/9V/7.5V/5V, Max. 12W
- Dimension: 80x24x68mm (WxHxD)
- Weight: 60g

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HD-SDI 1080P Digital Video Recorder

15-DVR04HB

4 channels DVR

15-DVR08HB / 15-DVR16HB

8 / 16 channels rack mount DVR

Virus Free: Embedded Linux OS with zero administration
Easy Setup: Plug & play feature with HD-SDI camera
Smart Search: Quickly search by time and events with GUI
Easy Record: Quickly setup recording resolutions and recording type
Easy Backup: Auto copy what you are playing onto a USB flash drive
Easy Upgrade: USB or remote firmware upgrade supported
Smart Device Ready: Free APP for management on most smart devices

FEATURES

- H.264 compression technology
- Support 4 / 8 / 16 audio in and 1 out
- With up to 24TB of storage hard drives support (15-DVR08/16HB)
- Support storage configuration for normal, alarm, redundant and backup groups
- Support HDMI / VGA dual mode output
- Fast network via dual streaming. 2 ways audio supported
- Support Pre-recording and Post-recording
- Support video masking function
- Support multi-channel 1080p(12M) real-time playback, and 16x fast forward, fast rewind
- Exception for HDD Error, IP conflict, illegal access, network disconnection, disk group full and exception
- Support channel and streaming information
- Fully compatible with Inspire HD-SDI CAM

SPECIFICATIONS

Model		15-DVR04HB	15-DVR08HB	15-DVR16HB
System	Operating System	Embedded Linux		
	Upgrade	External USB / Web Interface		
	Control Mode	USB mouse, IR remote control, Web Interface		
Video	Synchronization	4x1080p30, H.264 HP (w/dual streams)	8x1080p30, H.264 HP (w/dual streams)	16x1080p30, H.264 HP (w/dual streams)
Audio	Input	RCA x 4	RCA x 8	RCA x 16
	Output	RCA x 1		
	2-way Audio	RCA x 1 for Line in		
Display	Display mode	Full screen / Multi-screen / PIP / Sequence		
	Output	HDMI x 1 (1920x1080p, 60Hz), VGA x 1(up to 1920x1080, 60Hz)		
Recording	Recording Mode	Continuous / Scheduled / Alarm / Motion detect		
	Recording Capability	Up to 120 fps @ 1920x1080	Up to 240 fps @ 1920x1080	Up to 480 fps @ 1920x1080
	Pre Recording	YES		
	Internal Storage	1 x SATA HDD; up to 3TB	8 x SATA HDD; up to 24TB	
Playback & Backup	Playback control	Play / Pause / Step / Fast forward / Rewind / Fast rewind		
	Export	Through USB / Web Interface		
Network	Support	TCP / IP, SMTP, DHCP, DDNS, PPPoE, UDP, SSL, RTP, RTSP, NTP		
	Ethernet	RJ45 x 1 (10 / 100 Mbps)	RJ45 x 1 (10 / 100 / 1000Mbps)	
	Mobile Viewing	iOS / Android		
IO	USB	2 Ports		
	Alarm	4 x Alarm in / 1 x Alarm out	8 Alarm in / 4 Alarm out	16 Alarm in / 4 Alarm out
	RS485 / RS422	RS485	RS422 supproted RS485	
General	Power Supply	DC12V/3A	AC100-240V	
	Temperature	-10°C to +50°C (Humidity: 20% ~ 80%RH)		
	Dimension	340 x 50 x 260mm (WxHxD)	440 x 95 x 367mm (WxHxD)	

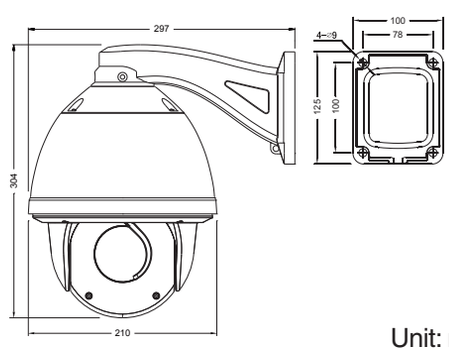
HD-SDI High Performance Speed Dome

15-CDH55W

Full HD: 1080p video resolution with HD-SDI output
True PTZ: Pan: 360° / Tile: -10°~90° with auto flip
Easy Install: Suspended quick installation structure
Easy Setup: Full function by OSD control
Flexible: Camera module selectable
Indestructible: IP66 water proof
Level 2 lightning protection
3KV surge protection

FEATURES

- HD-SDI output, conform to SMPTE292M
- Programmable 256 preset positions
- 4 pattern tours, each one with 600secs memory 500 programmable instructions
- 8 auto scan tracks with settable left-right boundaries and scan speed
- 8 cruising tracks, each cruising track has 32 presets
- Timing actions for 7 days of programmable schedule
- Built in auto tracking function with zoom in/out for objective moving display
- Wipers is equipped to keep a clear and crispy image
- Includes built-in fan and heater



SPECIFICATIONS

Camera	
Camera Module	FCB-EH6300 / FCB-EH6500 / DCM220 / DCM230 (Please refer to page 34)
Video	
Privacy Mask	8 zones
Event	
Intelligent Event	Motion detection, alarm trigger, disk full, disk fault
Event Actions	Record / Snapshot / PTZ preset / E-mail
PTZ	
Range	Pan: 360° / Tile: -10°~90°
Speed	Pan: 0 01-360° /S Tilt: 0 01-120° /S”
Preset Point	256 presets with defined titles
Auto Scan	8 auto scan tracks
Auto Tracking	Supported
Pattern Tour	4 patterns
Auto Cruising	8 cruising tracks

General	
Casing	Aluminum
Connectors	RS485 x 1
Alarm	4 in / 2 out
Edge Storage	SD/SDHC/SDXC support up to 32 GB(card not included)slot
External Storage	Remote record / Inspire DVR
Operating Conditions	-10°C~55°C (Humidity <90%RH)
Protection	IP66 water proof, Level 2 lightning protection, 3KV surge protection
Power	DC12V ±10%, 50W
Weight	4.1kg
Warranty	1 Year

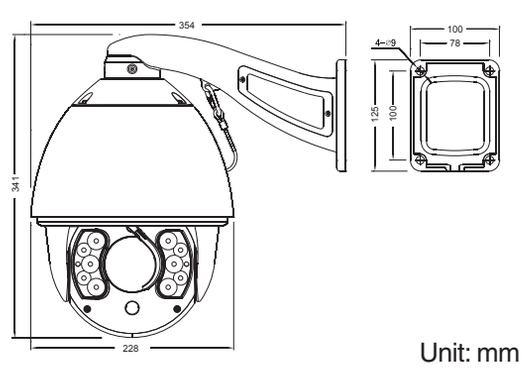
HD-SDI High Performance Speed Dome with IR LED

15-CDH55WI

Full HD: 1080p video resolution with HD-SDI output
True PTZ: Pan: 360° / Tile: -10°~90° with auto flip
Easy Install: Suspended quick installation structure
Easy Setup: Full function by OSD control
Flexible: Camera module selectable
Indestructible: IP66 water proof
Level 2 lightning protection
3KV surge protection

FEATURES

- HD-SDI output, conform to SMPTE292M
- Programmable 256 preset positions
- 4 Pattern tours, each one with 600secs memory 500 programmable instructions
- 8 auto scan tracks with settable left-right boundaries and scan speed
- 8 cruising tracks, each cruising track has 32 presets
- Timing actions for 7 days of programmable schedule
- Built in auto tracking function with zoom in/out for objective moving display
- Wipers is equipped to keep a clear and crispy image
- Includes built-in fan and heater



SPECIFICATIONS

Camera	
Camera Module	FCB-EH6300 / FCB-EH6500 / DCM220 / DCM230 (Please refer to Page 34)
Video	
Privacy Mask	8 zones
Event	
Intelligent Event	Motion detection, alarm trigger, disk full, disk fault
Event Actions	Record / Snapshot / PTZ preset / E-mail
PTZ	
Range	Pan: 360° / Tile: -10°~90°
Speed	Pan: 0 01-360° /S Tilt: 0 01-120° /S
Preset Point	256 presets with defined titles
Auto Scan	8 auto scan tracks
Auto Tracking	Supported
Pattern Tour	4 patterns
Auto Cruising	8 cruising tracks

General	
IR Leds	Hugh power 10 pcs
IR Range	Up tp 150m
Casing	Aluminum
Connectors	RS485 x 1
Alarm	4 in / 2 out
Edge Storage	SD / SDHC / SDXC support up to 32 GB (card not included)slot
External Storage	Remote record / Inspire DVR
Operating Conditions	-10°C~55°C (Humidity <90%RH)
Protection	IIP66 water proof, Level 2 lightning protection, 3KV surge protection
Power	DC12V ±10%, 50W
Weight	5.8kg
Warranty	1 Year

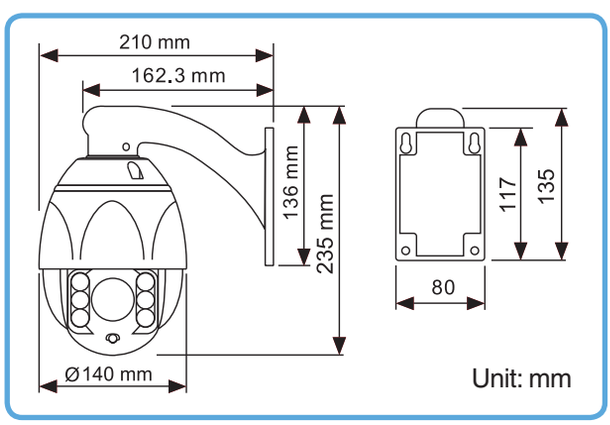
HD-SDI Mini High Speed Dome Camera

15-CDH510WI

Full HD: 1080p video resolution with HD-SDI output
True PTZ: Pan: 360° / Tile: -10°~90° with auto flip
Easy Install: Suspended quick installation structure
Easy Setup: Full function by OSD control
Indestructible: **Indestructible:** IP66 water proof
Level 2 lightning protection
3KV surge protection

FEATURES

- SONY 1/2.8” Exmor CMOS Image Sensor
- 10X optical zoom
- HD-SDI output, conform to SMPTE 292M
- 127 preset points and 8 groups for present program
- 8 set of swing action
- 4 pattern tours, each with 5mins memory 1200 programmable instructions
- Includes built-in fan and heater



SPECIFICATIONS

Camera	
Image sensor	SONY 1/2.8” Exmor CMOS Image Sensor
Effective Pixel Size	1920(H)x1080(V)
Scanning System	Progressive
Synchronization	Internal
Digital Resolution	1920x1080p@30fps, 1280×720p @60fps
Video Output	BNC x 1 for HS-SDI
Lens	10X optical zoom, f=5-50mm
S/N Ration	More than 50db
Min. Illumination	0.1Lux (Color) ; 0.01 Lux (B/W)
ACG	YES
BLC	YES
WDR	YES
Shutter Speed	1/30~1/10,000 sec
DSS / Sense-up	YES
Flickerless / FLK	YES
Brightness	YES
Day / Night Function	YES
White Balance	Auto / Manual
DNR	2D-DNR
Mirror Function	YES
Sharpness	YES
Defog Function	YES
Auto IRIS	YES
Privacy Mask	YES
Defog Function	YES
Auto IRIS	YES
Video	
Privacy Mask	YES
PTZ	
Rotation	Pan: 360° / Tile: 0°~90°
Rotation Speed	Pan: 0.02-200°/S ; Tilt: 0.02-120°/S
Preset Point	127 presets with defined titles
Auto Scan	1 auto scan track
Auto Tracking	Supported
Pattern Tour	4 patterns
Auto Cruising	8 cruising tracks
General	
IR Leds	High power 6 pcs
IR Range	Up to 50m
Casing	Aluminum
Connectors	RS485 x 1
External Storage	Remote record / Inspire DVR
Operating Conditions	-10°C~55°C (Humidity <90%RH)
Protection	IP66 water proof, Level 2 lightning protection, 3KV surge protection
Power	DC12V ±10%, 50 W
Weight	2.5kg

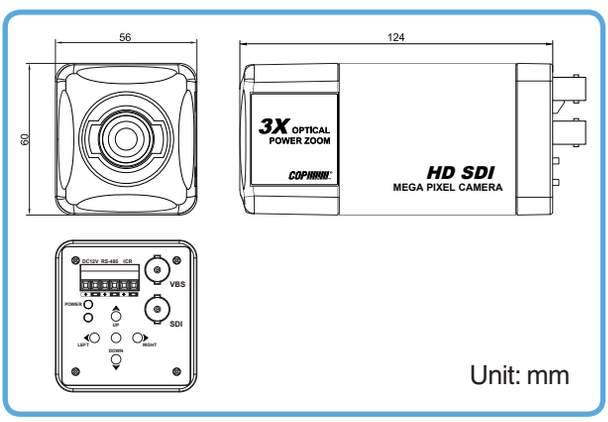
HD-SDI 3X AF Box Camera

15-CAH203

Full HD: 1080p video resolution with HD-SDI output
Smart: Intelligent motion detection
Easy Install: Suspended quick installation structure
Easy Setup: Full function by OSD control

FEATURES

- SONY 1/2.8” Exmor CMOS Image Sensor
- Optical 3x lens 3.0mm ~ 9.0mm
- Built in IR cut with Day & Night function
- Support pre-recording function
- Support CVBS out, alarm in/out, RS485 remote control
- Support snapshot, remote recording by schedule setting



SPECIFICATIONS

Camera	
Image Sensor	SONY 1/2.8" Exmor CMOS Image Sensor
Total Pixel Size	2000(H)x1121(V)
Effective Pixel Size	1936(H)x1105(V)
Lens	Optical 3x lens 3.0mm ~ 9.0mm
Scanning System	Progressive
Synchronization	Internal
Day / Night Function	Auto / Day / Nigh / Ext.
Min. Illumination	0.001 lux (B&W DSS)
Shutter Speed	1/30 ~ 1/60,000 (sec) for NTSC, 1/25 ~ 1/60,000 (sec) for PAL
Digital Zoom	2X ~ 32X
Video	
Digital Resolution	1920x1080p@30fps, 1280×720p@60fps
S/N Ratio	More then 50dB (AGC Off)
AGC	YES
BLC	YES
WDR	YES
DSS / Sense-up	YES
Flickerless / FLK	On / Off
Brightness	YES
White Balance	Auto / One Push / Manual / Indoor / Outdoor
DNR	Auto / Off / Low / Middle / High
Mirror Function	YES
Sharpness	YES
Freeze Function	On / Off
Privacy Mask	YES (24- areas)
Motion Detection	YES (3- positions)
Defog Function	On / Off (Auto / Manual)
Smart IR	On / Off
Auto IRIS	YES
General	
Video Output	BNC x 2 (HD-SDI and CVBS dual video outputs)
Remote OSD	RS485
Communication	Baud Rate (2400/4800/9600/19200/38400/57600/115200) Protocol (PELCO-D / PELCO-P /VISCA)
Operating Conditions	-10°C to +50°C (Humidity: 20% ~ 80%RH)
Storage Conditions	-20°C to +60°C (Humidity: 20% ~ 95%RH)
Power	DC12V ±10% / 250mA
Weight	270 g

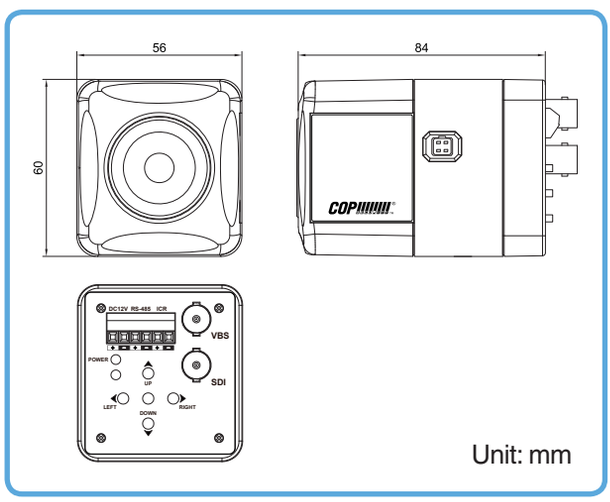
HD-SDI CS Mount Box Camera

15-CAH22

Full HD: 1080p video resolution with HD-SDI output
Smart: Intelligent motion detection
Easy Install: Suspended quick installation structure
Easy Setup: Full function by OSD control

FEATURES

- 1/3” CMOS image sensor
- Support CS mount lens
- Built in IR cut with Day & Night function
- Support pre-recording function
- Support CVBS out, Alarm in/out, RS485 remote control
- Support snapshot, remote recording by schedule setting



SPECIFICATIONS

Camera	
Image Sensor	1/3" CMOS Image Sensor
Total Pixel Size	2010(H)x1108(V)
Effective Pixel Size	1944(H)x1092(V)
Lens	CS mount lens
Scanning System	Progressive
Synchronization	Internal
Day / Night Function	Auto / Day / Nigh / Ext.
Min. Illumination	0.001 lux (B&W DSS)
Shutter Speed	1/30 ~ 1/60,000 (sec) for NTSC, 1/25 ~ 1/60,000 (sec) for PAL
Digital Zoom	2X ~ 32X
Video	
Digital Resolution	1920x1080p@30fps, 1280×720p@60fps
S/N Ratio	More then 50dB (AGC Off)
AGC	YES
BLC	YES
WDR	YES
DSS / SENSE-UP	YES
Flickerless / FLK	On / Off
Brightness	YES
White Balance	Auto / One Push / Manual / Indoor / Outdoor
DNR	Auto / Off / Low / Middle / High
Mirror Function	YES
Sharpness	YES
Freeze Function	On / Off
Privacy Mask	YES (24- areas)
Motion Detection	YES (3- positions)
Defog Function	On / Off
Smart IR	On / Off
Auto IRIS	YES
General	
Video Output	BNC x 2 (HD-SDI and CVBS dual video outputs)
Remote OSD	RS485
Communication	Baud Rate (2400/4800/9600/19200/38400/57600/115200) Protocol (PELCO-D / PELCO-P /VISCA)
Operating Conditions	-10°C to +50°C (Humidity: 20% ~ 80%RH)
Storage Conditions	-20°C to +60°C (Humidity: 20% ~ 95%RH)
Power	DC12V ±10% / 250mA
Weight	155 g

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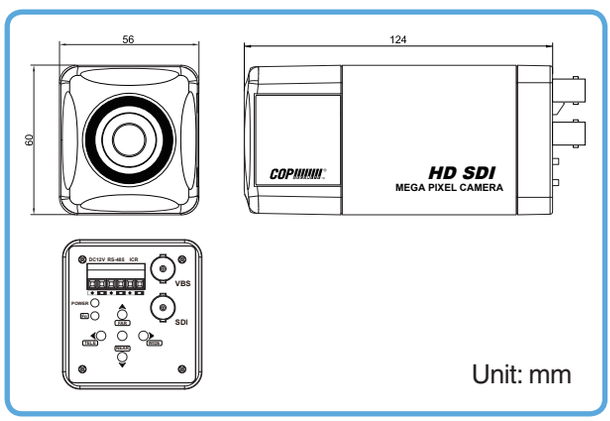
HD-SDI Box Camera with 4x Optical Motorized Lens

15-CAH22V

Full HD: 1080p video resolution with HD-SDI output
Smart: Intelligent motion detection
Easy Install: Suspended quick installation structure
Easy Setup: Full function by OSD control

FEATURES

- 1/3” CMOS image Sensor
- Motorized varifocal auto IRIS lens 3.6mm~16mm
- Support Pre-recording function
- Support CVBS out, alarm in/out, RS485 remote control
- Support snapshot, remote recording by schedule setting



Unit: mm

SPECIFICATIONS

Camera	
Image Sensor	1/3" CMOS Image Sensor
Total Pixel Size	2010(H)x1108(V)
Effective Pixel Size	1944(H)x1092(V)
Lens	Motorized varifocal auto IRIS lens 3.6mm~16mm
Scanning System	Progressive
Synchronization	Internal
Day / Night Function	Auto / Day / Nigh / Ext.
Min. Illumination	0.001 lux (B&W DSS)
Shutter Speed	1/30 ~ 1/60,000 (sec) for NTSC, 1/25 ~ 1/60,000 (sec) for PAL
Digital Zoom	2X ~ 32X
Video	
Digital Resolution	1920x1080p@30fps, 1280x720p@60fps"
S/N Ratio	More then 50dB (AGC Off)
AGC	YES
BLC	YES
WDR	YES
DSS / Sense-up	YES
Flickerless / FLK	On / Off
Brightness	YES
White Balance	Auto / One Push / Manual / Indoor / Outdoor
DNR	Auto / Off / Low / Middle / High
Mirror Function	YES
Sharpness	YES
Freeze Function	On / Off
Privacy Mask	YES (24- areas)
Motion Detection	YES (3- positions)
Defog Function	On / Off
Smart IR	On / Off
Auto IRIS	YES
General	
Video Output	BNC x 2 (HD-SDI and CVBS dual video outputs)
Remote OSD	RS485
Communication	Baud Rate (2400/4800/9600/19200/38400/57600/115200) Protocol (PELCO-D / PELCO-P /VISCA)
Operating Conditions	-10°C to +50°C (Humidity: 20% ~ 80%RH)
Storage Conditions	-20°C to +60°C (Humidity: 20% ~ 95%RH)
Power	DC12V ±10% / 250mA
Weight	230 g

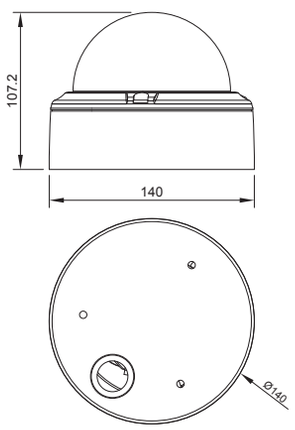
HD-SDI IR Outdoor Dome Camera

15-CDH22I

Full HD: 1080p video resolution with HD-SDI output
Smart: Intelligent motion detection
Easy Install: Suspended quick installation structure
Easy Setup: Full function by OSD control

FEATURES

- 1/3” CMOS Image Sensor
- Varifocal auto IRIS lens 2.8mm~12mm
- 0 Lux @ 24 IR LEDs, range up to 30M
- Support pre-recording function
- Support CVBS out, alarm in/out, RS485 remote control
- Support snapshot, remote recording by schedule setting
- IP66 water proof and vandal proof



Unit: mm

SPECIFICATIONS

Camera	
Image Sensor	1/3" CMOS Image Sensor
Total Pixel Size	2010(H)x1108(V)
Effective Pixel Size	1944(H)x1092(V)
Lens	Varifocal auto IRIS lens 2.8~12mm
Scanning System	Progressive
Synchronization	Internal
Day / Night Function	Auto / Color / B&W / External
Min. Illumination	0.2 lux /F1.2 (0 Lux with IR on)
Shutter Speed	1/30 ~ 1/60,000 (sec) for NTSC, 1/25 ~ 1/60,000 (sec) for PAL
Digital Zoom	2X ~ 32X
Video	
Digital Resolution	1920x1080p@30fps, 1280x720p@60fps
S/N Ratio	More then 50dB (AGC Off)
AGC	YES
BLC	YES
WDR	YES
DSS / Sense-up	YES
Flickerless / FLK	On / Off
Brightness	YES
White Balance	Auto / One Push / Manual / Indoor / Outdoor
DNR	Auto / Off / Low / Middle / High
Mirror Function	YES
Sharpness	YES
Freeze Function	On / Off
Privacy Mask	YES (24- areas)
Motion Detection	YES (3- positions)
Defog Function	On / Off
Smart IR	On / Off (level 0 ~ 15)
Auto IRIS	YES
General	
IR Leds	24 pcs
IR Range	Up to 30m
Video Output	BNC x 2 (HD-SDI and CVBS dual video outputs)
Remote OSD	RS485
Communication	Baud Rate (2400/4800/9600/19200/38400/57600/115200) Protocol (PELCO-D / PELCO-P /VISCA)
Operating Conditions	-10°C to +50°C (Humidity: 20% ~ 80%RH)
Storage Conditions	-20°C to +60°C (Humidity: 20% ~ 95%RH)
Protection	IP66 water proof Vandal proof
Power	DC12V ±10% / 1A
Weight	790 g

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RoHS CE FC
Specification subject to change without notice.

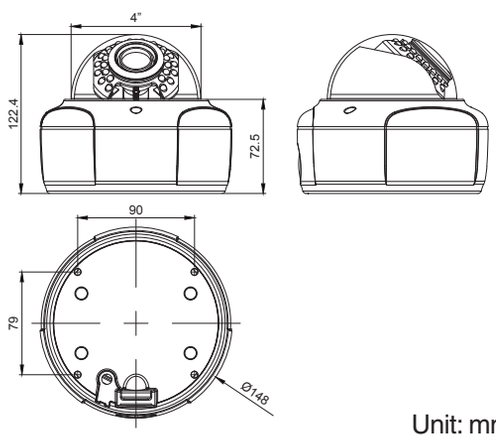
HD-SDI IR Outdoor Dome Camera

15-CDH21VE

Full HD: 1080p video resolution with H.264 compression
Smart: Intelligent motion detection
Easy Install: Suspended quick installation structure
Easy Setup: Full function by OSD control

FEATURES

- SONY 1/2.8" Exmor CMOS Image Sensor
- Varifocal auto IRIS lens 2.8mm~12mm
- 0 lux @ IR led x 30, range up to 20 meters
- Support auto white balance, auto exposure, auto gain, auto iris, AES, Digital PTZ
- Built in IR cut with Day & Night function
- Support pre-recording function
- Support snapshot, remote recording by schedule setting
- IP66 water proof and vandal proof



Unit: mm

SPECIFICATIONS

Camera	
Image Sensor	SONY 1/2.8" Exmor CMOS Image Sensor
Total Pixel Size	2000(H)x1241(V)
Effective Pixel Size	1984(H)x1225(V)
Lens	Varifocal auto IRIS lens 2.8~12mm
Scanning System	Progressive
Synchronization	Internal
Day / Night Function	Auto / Color / B&W / External
Min. Illumination	0.2 lux /F1.2 (0 Lux with IR on)
Shutter Speed	1/30 ~ 1/50,000 (sec) for NTSC, 1/25 ~ 1/50,000 (sec) for PAL
Digital Zoom	2X ~ 64X
Video	
Digital Resolution	1920x1080p@30fps, 1280x720p@60fps
S/N Ratio	More then 50dB (AGC Off)
AGC	YES
BLC	YES
WDR	YES
DSS / Sense-up	YES
Flickerless / FLK	On / Off
Brightness	YES
White Balance	Auto Tracking / Auto / Indoor / Outdoor / Manual
DNR	2D DNR / 3D DNR
Mirror Function	YES
Sharpness	YES
Freeze Function	On / Off
Privacy Mask	YES (8- areas)
Motion Detection	YES (3- positions)
Defog Function	High / Middle / Low / Off
Smart IR	On / Off (level 0 ~ 15)
Auto IRIS	YES
General	
IR Leds	30 pcs
IR Range	Up to 20m
Video Output	BNC x 1 for HD-SDI
Operating Conditions	-10°C to +50°C (Humidity: 20% ~ 80%RH)
Storage Conditions	-20°C to +60°C (Humidity: 20% ~ 95%RH)
Protection	IP66 water proof Vandal proof
Power	DC12V ±10% / 1A
Weight	900g

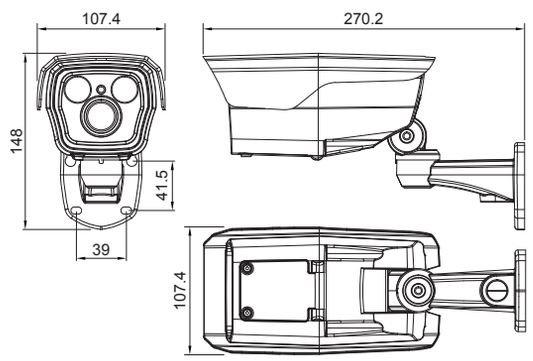
HD-SDI High Power IR Bullet Camera

15-CMH22VE

Full HD: 1080p video resolution with HD-SDI output
Smart: Intelligent motion detection
Easy Install: Suspended quick installation structure
Easy Setup: Full function by OSD control

FEATURES

- SONY 1/2.8" Exmor CMOS Image Sensor
- Varifocal auto IRIS lens 2.8mm~12mm
- 0 lux@High power IR led x 2, range up to 30 meters
- Support auto white balance, auto exposure, auto gain, auto IRIS, AES, digital PTZ
- Built in IR cut with Day & Night function
- Support pre-recording function
- Support snapshot, remote recording by schedule setting
- IP66 water proof



Unit: mm

SPECIFICATIONS

Camera	
Image Sensor	SONY 1/2.8" Exmor CMOS Image Sensor
Total Pixel Size	2000(H)x1241(V)
Effective Pixel Size	1984(H)x1225(V)
Lens	Varifocal auto IRIS lens 2.8~12mm
Scanning System	Progressive
Synchronization	Internal
Day / Night Function	Auto / Color / B&W / External
Min. Illumination	0.2 lux /F1.2 (0 Lux with IR on)
Shutter Speed	1/30 ~ 1/50,000 (sec) for NTSC, 1/25 ~ 1/50,000 (sec) for PAL
Digital Zoom	2X ~ 64X
Video	
Digital Resolution	1920x1080p@30fps, 1280x720p@60fps
S/N Ratio	More then 50dB (AGC Off)
AGC	YES
BLC	YES
WDR	YES
DSS / Sense-up	YES
Flickerless / FLK	On / Off
Brightness	YES
White Balance	Auto Tracking / Auto / Indoor / Outdoor / Manual
DNR	2D DNR / 3D DNR
Mirror Function	YES
Sharpness	YES
Freeze Function	On / Off
Privacy Mask	YES (8- areas)
Motion Detection	YES (3- positions)
Defog Function	High / Middle / Low / Off
Smart IR	On / Off (level 0 ~ 15)
Auto IRIS	YES
General	
IR Leds	High power 2pcs
IR Range	Up to 30m
Video Output	BNC x 1 for HD-SDI
Operating Conditions	-10°C to +50°C (Humidity: 20% ~ 80%RH)
Storage Conditions	-20°C to +60°C (Humidity: 20% ~ 95%RH)
Protection	IP66 water proof
Power	DC12V ±10% / 1A
Weight	971g

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RoHS CE FC
Specification subject to change without notice.

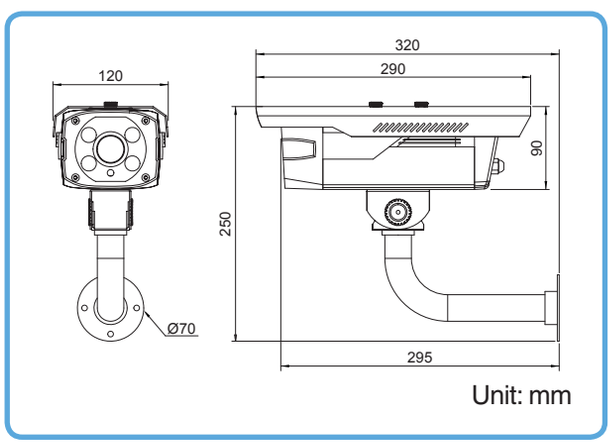
HD-SDI High Power IR Outdoor Camera

15-CMH23E

Full HD: 1080p video resolution with HD-SDI output
Smart: Intelligent motion detection
Easy Install: Suspended quick installation structure
Easy Setup: Full function by OSD control

FEATURES

- SONY 1/2.8" Exmor CMOS Image Sensor
- 8mm fixed lens
- 0 lux@High power IR led x 4, range up to 50 meters
- Support auto white balance, auto exposure, auto gain, auto IRIS, AES, digital PTZ
- Built in IR cut with Day & Night function
- Support Pre-recording function
- Support snapshot, remote recording by schedule setting
- IP66 water proof



SPECIFICATIONS

Camera	
Image Sensor	SONY 1/2.8" Exmor CMOS Image Sensor
Total Pixel Size	2000(H)x1241(V)
Effective Pixel Size	1984(H)x1225(V)
Lens	8mm fixed Lens
Scanning System	Progressive
Synchronization	Internal
Day / Night Function	Auto / Color / B&W / External
Min. Illumination	0.2 lux /F1.2 (0 Lux with IR on)
Shutter Speed	1/30 ~ 1/50,000 (sec) for NTSC, 1/25 ~ 1/50,000 (sec) for PAL
Digital Zoom	2X ~ 64X
Video	
Digital Resolution	1920x1080p@30fps, 1280x720p@60fps
S/N Ratio	More then 50dB (AGC Off)
AGC	YES
BLC	YES
WDR	YES
DSS / Sense-up	YES
Flickerless / FLK	On / Off
Brightness	YES
White Balance	Auto Tracking / Auto / Indoor / Outdoor / Manual
DNR	2D DNR / 3D DNR
Mirror Function	YES
Sharpness	YES
Freeze Function	On / Off
Privacy Mask	YES (8-areass)
Motion Detection	YES (3- positions)
Defog Function	High / Middle / Low / Off
Smart IR	On / Off (level 0 ~ 15)
Auto IRIS	YES
General	
IR Leds	High power 4pcs
IR Range	Up to 50m
Video Output	BNC x 1 for HD-SDI
Operating Conditions	-10°C to +50°C (Humidity: 20% ~ 80%RH)
Storage Conditions	-20°C to +60°C (Humidity: 20% ~ 95%RH)
Protection	IP66 water proof
Power	DC12V ±10% / 1.5A
Weight	1620g

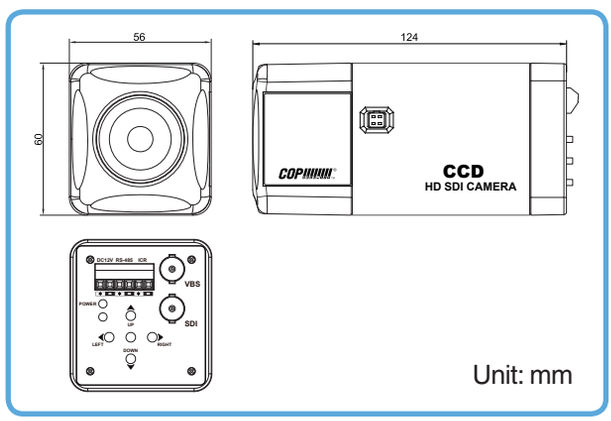
HD-SDI CS Mount Box CCD Camera

15-CAH31

HD: 720p video resolution with HD-SDI output
Smart: Intelligent motion detection
Easy Install: Suspended quick installation structure
Easy Setup: Full function by OSD control

FEATURES

- 1/3” CCD Image Sensor
- Support CS mount lens
- Support auto white balance, auto exposure, auto gain, auto IRIS, AES, digital PTZ, XDR, RS485 remote control
- Built in IR cut with Day & Night function
- Support Pre-recording function
- Support snapshot, remote recording by schedule setting



SPECIFICATIONS

Camera	
Image Sensor	1/3" CCD Image Sensor
Total Pixel Size	1372(H) x968(V)
Effective Pixel Size	1280(H) x960(V)
Lens	CS mount lens
Scanning System	Progressive
Synchronization	Internal
Day / Night Function	Auto / Day / Nigh / Ext.
Min. Illumination	0.001 Lux (B&W DSS)
Shutter Speed	1/30 ~ 1/36,000 (sec) for NTSC, 1/25 ~ 1/36,000 (sec) for PAL
Digital Zoom	4X, Manual with auto Pan/Tile
Video	
Digital Resolution	1280×720p@60fps
S/N Ratio	52dB (STD) (AGC Off / Weight On)
AGC	YES
BLC	YES
WDR	XNR (Off / Low / Mid / High)
DSS / Sense-up	YES
Flickerless / FLK	On / Off
Brightness	YES
White Balance	ATW / AWB (one push): 2,200°K~9,600°K
DNR	3D DNR (Off / Low / Mid / High)
Mirror Function	YES
Sharpness	YES
Freeze Function	On / Off
Privacy Mask	YES (16- areas)
Motion Detection	YES (4- positions)
Defog Function	Fog reduction Off / Low / Mid / High
Eclipse Control	Off / Low / Mid / High
Auto IRIS	A.E.S. / DC-IRIS
General	
Video Output	BNC x 2 (HD-SDI and CVBS dual video outputs)
Remote OSD	RS485
Communication	Baud Rate (2400/4800/9600/19200/38400/57600/115200) Protocol (PELCO-D / PELCO-P /VISCA)
Operating Conditions	-10°C to +50°C (Humidity: 20% ~ 80%RH)
Storage Conditions	-20°C to +60°C (Humidity: 20% ~ 95%RH)
Power	DC12V ±10% / 550mA
Weight	210 g

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RoHS CE FC
Specification subject to change without notice.

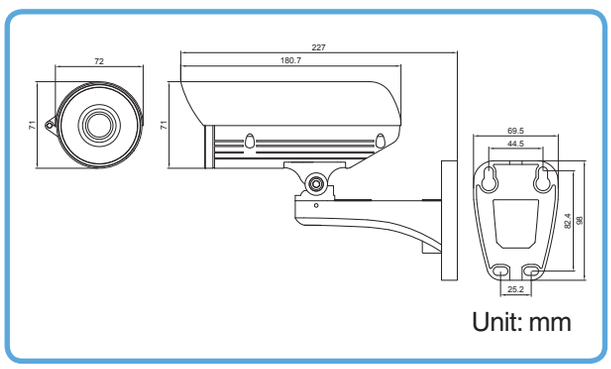
HD-SDI IR Bullet CCD Camera

15-CMH31

HD: 720p video resolution with HD-SDI output
Smart: Intelligent motion detection
Easy Install: Suspended quick installation structure
Easy Setup: Full function by OSD control

FEATURES

- 1/3” CCD Image Sensor
- Varifocal auto IRIS lens 2.8mm~12mm
- 0 lux@IR led x 20, range up to 20 meters
- Support auto white balance, auto Exposure, auto gain, auto IRIS, AES, digital PTZ, XDR, RS485 remote control
- Built in IR cut with Day & Night function
- Support pre-recording function
- Support snapshot, remote recording by schedule setting
- IP66 water proof



SPECIFICATIONS

Camera	
Image Sensor	1/3" CCD Image Sensor
Total Pixel Size	1372(H) x968(V)
Effective Pixel Size	1280(H) x960(V)
Lens	Varifocal auto IRIS lens 2.8~12mm
Scanning System	Progressive
Synchronization	Internal
Day / Night Function	Auto / Day / Nigh / Ext.
Min. Illumination	0.001 Lux (B&W DSS, 0 Lux with IR on)
Shutter Speed	1/30 ~ 1/36,000 (sec) for NTSC, 1/25 ~ 1/36,000 (sec) for PAL
Digital Zoom	4X, Manual with auto Pan/Tile
Video	
Digital Resolution	1280×720p@60fps
S/N Ratio	52dB (STD)(AGC off / Weight On)
AGC	YES
BLC	YES
WDR	XNR (Off / Low / Mid / High)
DSS / Sense-up	YES
Flickerless / FLK	On / Off
Brightness	YES
White Balance	ATW / AWB (one push): 2,200°K~9,600°K
DNR	3D DNR (Off / Low / Mid / High)
Mirror Function	YES
Sharpness	YES
Freeze Function	On / Off
Privacy Mask	YES (16- areas)
Motion Detection	YES (4- positions)
Defog Function	Fog reduction Off / Low / Mid / High
Eclipse Control	Off / Low / Mid / High
Auto IRIS	A.E.S. / DC-IRIS
General	
IR Leds	30 pcs
IR Range	Up to 40m
Video Output	BNC x 2 (HD-SDI and CVBS dual video outputs)
Operating Conditions	-10°C to +50°C (Humidity: 20% ~ 80%RH)
Storage Conditions	-20°C to +60°C (Humidity: 20% ~ 95%RH)
Protection	IP66 water proof
Power	DC12V ±10% / 550mA
Weight	790g

Model		15-CAH203	15-CAH22	15-CAH22V	15-CDH22I	15-CDH21VE	15-CMH22VE	15-CMH23E	15-CAH31	15-CMH31
Camera	Image Sensor	SONY 1/2.8" Exmor CMOS Image Sensor	1/3" CMOS Image Sensor			SONY 1/2.8" Exmor CMOS Image Sensor			1/3" CCD Image Sensor	
	Total Pixel Size	2000(H)x1121(V)	2010(H)x1108(V)			2000(H)x1241(V)			1372(H) x968(V)	
	E ective Pixel Size	1936(H)x1105(V)	1944(H)x1092(V)			1984(H)x1225(V)			1280(H) x960(V)	
	Lens	Optical 3x lens 3.0mm ~ 9.0mm	CS mount lens	Motorized varifocal auto Iris lens 3.6mm~16mm	Varifocal auto IRIS lens 2.8~12mm			8mm fixed lens	CS mount lens	Varifocal auto IRIS lens 2.8~12mm
	Scanning System	Progressive								
	Synchronization	Internal								
	Day / Night Function	Auto / Day / Nigh / Ext.				Auto / Color / B&W / External			Auto / Day / Nigh / Ext.	
	Min. Illumination	0.001 lux (B&W DSS)				0.2 lux /F1.2 (0 Lux with IR on)			0.001 Lux (B&W DSS)	0.001 Lux (B&W DSS, 0 Lux with IR on)
	Shutter Speed	1/30 ~ 1/60,000 (sec) for NTSC , 1/25 ~ 1/60,000 (sec) for PAL				1/30 ~ 1/50,000 (sec) for NTSC , 1/25 ~ 1/50,000 (sec) for PAL			1/30 ~ 1/36,000 (sec) for NTSC, 1/25 ~ 1/36,000 (sec) for PAL	
	Digital Zoom	2X ~ 32X				2X ~ 64X			4X, Manual with auto Pan/Tile	
Video	Digital Resolution	1920x1080p@30fps, 1280x720p@60fps							1280x720p@60fps	
	S/N Ratio	More then 50dB (AGC Off)							52dB (STD)(AGC Off / Weight On)	
	AGC	YES								
	BLC	YES								
	WDR	YES							XNR (Off / Low / Mid / High)	
	DSS / Sense-up	YES								
	Flickerless / FLK	On / Off								
	Brightness	YES								
	White Balance	Auto / One Push / Manual / Indoor / Outdoor				Auto Tracking / Auto / Indoor / Outdoor / Manual			ATW/AWB (one push): 2,200°K~9,600°K	
	DNR	Auto / Off / Low / Middle / High				2D DNR / 3D DNR			3D DNR (Off / Low / Mid / High)	
	Mirror Function	YES								
	Sharpness	YES								
	Freeze Function	On / Off								
	Privacy Mask	YES (24- areas)				YES (8- areas)			YES (16- areas)	
	Motion Detection	YES (3- positions)							YES (4- positions)	
	Defog Function	On / Off (Auto / Manual)	On / Off			High / Middle / Low / Off			Fog reduction Off / Low / Mid / High	
	Smart IR	On / Off				On / Off (level 0 ~ 15)			X	
	Eclipse Control	X							Off / Low / Mid / High	
	Auto IRIS	YES							A.E.S. / DC-IRIS	
General	IR Leds	X			24 pcs	30 pcs	High power 2pcs	High power 4pcs	X	30 pcs
	IR Range	X			Up to 30m	Up to 20m	Up to 30m	Up to 50m	X	Up to 40m
	Video Output	BNC x 2 (HD-SDI and CVBS dual video outputs)				BNC x 1 for HD-SDI			BNC x 2 (HD-SDI and CVBS dual video outputs)	
	Remote OSD	RS485				X			RS485	X
	Communication	Baud Rate (2400/4800/9600/19200/38400/57600/115200) Protocol (PELCO-D / PELCO-P /VISCA)				X			Baud Rate (2400/4800/9600/19200/38400/57600/115200) Protocol (PELCO-D / PELCO-P /VISCA)	X
	Operating Conditions	-10°C to +50°C (Humidity: 20% ~ 80%RH)								
	Storage Conditions	-20°C to +60°C (Humidity: 20% ~ 95%RH)								
	Power	DC12V ±10% / 250mA			DC12V ±10% / 1A			DC12V ±10% / 1.5A	DC12V ±10% / 550mA	
	Weight	270 g	155 g	230 g	790 g	900g	971g	1620g	210 g	790g

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Specification subject to change without notice.

RoHS CE FC

Speed Dome Camera Modules

Model	FCB-EH6300	FCB-EH6500	DCM220	DCM230
Image Sensor	SONY 1/2.8" Exmor CMOS Sensor		Panasonic 1/3" CMOS Sensor	
Scanning system	Progressive			
Synchronization	Internal			
Digital Resolution	1080p@25/30fps, 1080i@50/60fps, 720p@60/50/30/25fps		1920x1080p@25/30fps, 1280×720p @50/60fps	
Video Output	LVDS			
S/N Ratio	more then 50dB			
Min. Illumination	0.095 Lux		0.001 Lux	
Lens	f = 4.7mm ~ 94mm, F1.6(W)~F3.5(T)	f = 4.6mm ~ 138.0mm, F1.6(W)~F4.7(T)	f = 4.7mm ~ 9.4mm, F1.6(W)~F3.5(T)	f = 4.3mm ~ 129.0mm, F1.6(W)~F5.0(T)
Optical Zoom	20x Optical Zoom	30x Optical Zoom	20x Optical Zoom	30x Optical Zoom
Digital Zoom	12X		32X	
Shutter Speed	1/1sec ~ 1/10,000sec		1/30(25)sec ~ 1/60,000sec	
Image Stabilization	X	YES	X	X
AGC	YES			
BLC	YES			
WDR	Off / On / Auto			
DSS / Sense-up	YES		Off / x2-x4	
Flickerless / FLK	On / Off			
Brightness	YES		0 ~ 20	
Day / Night Function	On / Off / Auto / Threshold Enabled		Auto / Day / Night / Ext	
White Balance	Auto / ATW / Indoor / Outdoor / Outdoor Auto Sodium Vapor Lamp (Fix/Auto) / One-push / Manual		Auto / One Push / Indoor / Outdoor	
DNR	On / Off (Level 5 to 1/Off total 6 steps)		Auto / Off / Low / Middle / High	
Exposure	YES		Auto / IRIS.p / SHUT.P / Manual	
Mirror Function	YES		Off / H / V H&V	
Sharpness	YES		0 ~ 10	
Freeze Function	On / Off			
Privacy Mask	YES		24 positions	
Motion Detection	YES		4 positions	
Defog Function	X		On / Off	
Remote OSD	RS485			
Auto IRIS	YES			
Operation Temperature	-5°C to +60°C (Humidity: 20% ~ 80%RH)			
Storage Temperature	-20°C to +60°C (Humidity: 20% ~ 95%RH)			
Power Supply	DC 6V to 12V, 3.8W Max		DC 9V to 15V, 4.5W	

3G/HD/SD-SDI to HDMI Converter with Loop Out

15-SH101

SPECIFICATIONS

- Auto source format detection (3G/HD/SD-SDI)
- 1xBNC for SDIinput
- 1x BNC for SDI, 1x HDMI output
- Support SDI loop out
- Re-clock function (for SDI output)
- Power Supply: DC5V
- Dimension: 145x32.2x85.8mm (WxHxD)
- Weight: 255g

3G/HD/SD-SDI Extender via Fiber

15-SF101-10K
15-SF101-30K

SPECIFICATIONS

- Extend the distance up to:
  10km / 15-SF101-10K
  30km / 15-SF101-30K
- Support protocols:
  SMPTE 259M, SMPTE 259M/HDTV,
  SMPTE 424M/HDTV
- Immune to RP-198 pathological patterns
- Re-clocked function
- Support SDI loop out
- Input signal detection led
- Dimension: 61x37x116mm (WxHxD)

TX

- HD/SD-SDI input
- HD/SD-SDI loop out
- Optical output
- Power/Signal indicator
- DC 12V input
- Weight: 175g

RX

- HD/SD-SDI output
- Optical input
- Power/Signal indicator
- DC 12V input
- Weight: 170g

RoHS CE FC
Specification subject to change without notice.

3G/HD/SD-SDI Extender via Fiber with Data

15-SF101DK

SPECIFICATIONS

- Built-in a bi-directional SM fiber module
- Support data signal (RS-485) transmission
- Up to 10km (3G-SDI)/20km(HD-SDI)/30km(SD-SDI)
- Support 720p60, 1080i60,1080p30 and most SDI formats
- Passes embedded audio, ancillary ID, metadata information
- Automatic input equalization improves signal transmission distances
- Automatically adapt to SMPTE, ITU signals
- Dimension: 61x37x116mm (WxHxD)
- Weight:
  185g (15-SF101DT)
  180g (15-SF101DR)

15-SF101DT

15-SF101DR

3G/HD/SD-SDI Repeater

15-SR101

SPECIFICATIONS

- Extend the distance up to:
  100m/RG59(3G), Max. 0.6km
  200m/RG6U(HD), Max. 1.2km
  400m/RG6U(SD), Max. 2.4km
  (Max. distance with 5pcs cascaded)
- 1x BNC for SDI and1x RS-485 input
- 1x BNC for SDI and 1x RS-485 output
- Led status indicator
- Re-clock function
- Auto source format detection
- Power supply: DC12~28V
- Dimension: 61x36.4x82mm (WxHxD)
- Weight: 170g

3G/HD/SD-SDI Distributor

15-SD102

SPECIFICATIONS

- 1x BNC for SDI input
- 2x BNC for SDI output
- Support 720p60, 1080i60, 1080p30 and most SDI formats
- Passes embedded audio, ancillary ID, and metadata information
- Re-clock function
- Automatic input equalization improves signal transmission distances
- Automatically adapt to SMPTE and ITU signals
- Power supply: DC12V
- Dimension: 110x30x62mm (WxHxD)
- Weight: 150g

HDMI Extender via Single CATx

15-HE101

SPECIFICATIONS

- Support HDMI deep color & full 3D
- Extend the distance up to
  60m / 1080i or 720p 24-bit color
  40m / 1080p 24-bit color
  20m / 1080p 36-bit color
- HDCP 1.1 compliant
- Minimizes the cable skew by adjustable 8-levele qualization control
- Signal is unaltered and uncompressed
- Support DTS-HD and Dolby TrueHD audio
- Allows cascading
- Power supply: DC5V
- Dimension: 61x36.4x90.5mm (WxHxD)
- Weight:
  15-HE101R: 196g
  15-HE101T: 200g

15-HE101T

15-HE101R

HDMI 1x2 Splitter via CATx with Local Out

15-HS102T

SPECIFICATIONS

- Support HDMI deep color & full 3D
- HDCP 1.1 compliant
- Support HDMI signal regenerated
- Support DTS-HD and Dolby TrueHD audio
- 1x 3.5mm audio socket output
- Support HDMI EDID learning
- Extend the distance up to
  15m of HDMI input
  15m of HDMI output
  60m of CATx output (720p)
  60m of CATx output (1080i)
  40m of HDMI output (1080p)
- Signal is unaltered and uncompressed
- Allow cascading
- Power supply: DC5V
- Dimension: 180x30x106mm (WxHxD)
- Weight: 520g

RoHS CE FC
Specification subject to change without notice.

HDMI 1x2 Splitter/Repeater via CATx with Local Out

15-HS102TR

SPECIFICATIONS

- State-of-the-art Silicon image (founderof HDMI) chipset embedded for utmost compatibility and reliability
- Support HDMI deep color & full 3D
- HDCP 1.1 compliant
- Support HDMI signal regenerated
- Support DTS-HD and Dolby TrueHD audio
- 1x 3.5mm audio socket output
- Extend the distance up to
  15m of HDMI input
  15m of HDMI output
  60m of CATx output (720p)
  60m of CATx output (1080i)
  40m of HDMI output (1080p)
- Minimizes the cable skew by adjustable 8-level equalization control
- Signal is unaltered and uncompressed
- Allows cascading
- Power supply: DC5V
- Dimension: 180x30x106mm (WxHxD)
- Weight: 530g

HDMI Passive Receiver via Single CATx

15-HE101PR

SPECIFICATIONS

- HDMI 1.3C compliant
- HDCP 1.1 compliant
- Extend the distance up to
  25m of CATx output (720p)
  25m of CATx output (1080i)
  15m of HDMI output (1080p)
- Signal is unaltered and uncompressed
- Compatible with other HDMI via CATx products
- No external power required
- Dimension: 25x20x45mm (WxHxD)
- Weight: 25g

3G/HD/SD-SDI Surge Protector

15-SP10

SPECIFICATIONS

- Three stages protection (high voltage, over current, low voltage)
- Perfect compatible with SDI camera or SDI DVR...etc.
- 6KV surge protection
- 15KV electrostatic discharge
- Dimension: 32x24x56mm (WxHxD)
- Weight: 55g

HD-SDI Accessories

3G/HD/SD-SDI Passive Splitter

15-SD102P

SPECIFICATIONS

- 1x BNC for SDI input
- 2x BNC for SDI output
- Support 720p60, 1080i60,1080p30 and most SDI formats
- Passes embedded audio, ancillary ID, and metadata information
- No power required
- Dimension: 42x22x42mm (WxHxD)
- Weight: 40g

3G/HD/SD-SDI Passive Splitter with F Connector

15-SD102PF

SPECIFICATIONS

- 1x F connector for SDI input
- 2x F connector for SDI output
- Support 720p60, 1080i60,1080p30 and most SDI formats
- Passes embedded audio, ancillary ID, and metadata information
- No power required
- Dimension: 42x22x42mm (WxHxD)
- Weight: 40g

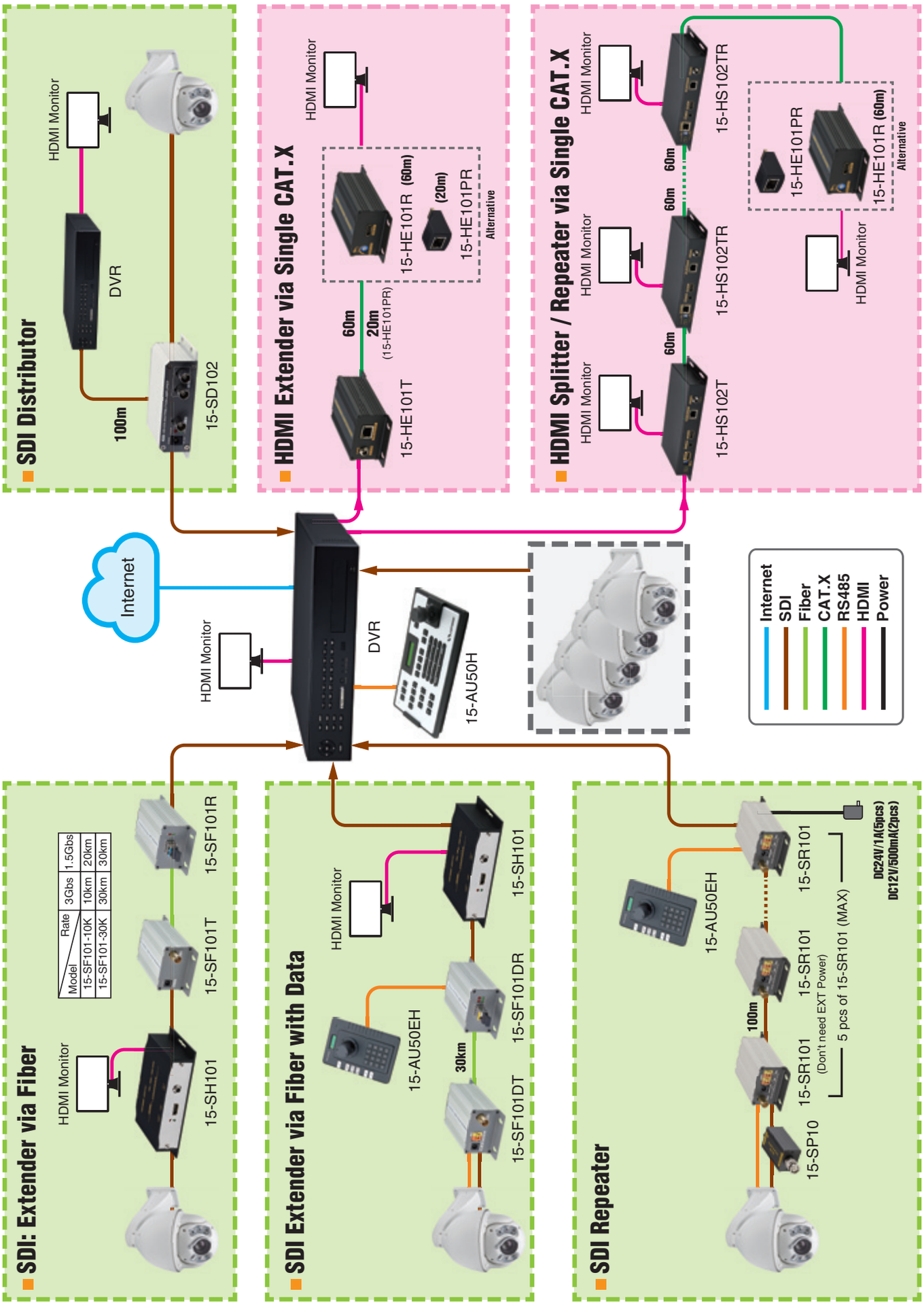
3G/HD/SD-SDI Test Monitor

15-AU35H

SPECIFICATIONS

- Resolution: 480(H) x 234(V)
- 1x BNC for SDI and 1x HDMI input
- 1x BNC for SDI with loop out output
- Low battery warning
- Prevent incautious power on/off operation design
- Support PTZ control, fully compatible with COP cameras
- Support remote OSD control
- 2200mA Li-poly battery included
- DC 12V output for camera
- Dimension: 125x115x38mm(WxHxD)
- Weight: 330 g

RoHS CE FC
Specification subject to change without notice.


SDI Distributor
HDMI Monitor
DVR
100m
15-SD102
HDMI Extender via Single CAT.X
HDMI Monitor
60m
20m
(15-HE101PR)
15-HE101T
15-HE101R (60m)
(20m)
15-HE101PR
Alternative
HDMI Splitter / Repeater via Single CAT.X
HDMI Monitor
60m
15-HS102T
15-HS102TR
15-HE101PR
15-HE101R (60m)
Alternative
Internet
HDMI Monitor
DVR
15-AU50H
Internet
SDI
Fiber
CAT.X
RS485
HDMI
Power
SDI: Extender via Fiber
HDMI Monitor
15-SH101
15-SF101T
15-SF101R
Model / Rate
3Gbs
1.5Gbs
15-SF101-10K
10km
20km
15-SF101-30K
30km
30km
SDI Extender via Fiber with Data
HDMI Monitor
15-AU50EH
30km
15-SF101DT
15-SF101DR
15-SH101
SDI Repeater
15-AU50EH
15-SR101
DC24V/1A(5pcs)
DC12V/500mA(2pcs)
100m
15-SR101
15-SR101
(Don't need EXT Power)
5 pcs of 15-SR101 (MAX)
15-SP10

HD-SDI Accessories

2CH Video Signal to Digital TV Modulator

15-TV062D

SPECIFICATIONS

- Integration of MPEG-2 Encoder, TS Mux and DVB-T COFDM Modulator in one box
- Multi-channel video interface, 2 composite video (CVBS)
- RF output, DVB-T COFDM compatible.
- Frequency Range: 50~860MHz
- User friendly configuration of RF frequency via Knob and remote web Interface
- Dimension: 40x132x245mm (WxHxD)
- Weight: 1.0 Kg

4CH Video Signal to Digital TV Modulator

15-TV064D

SPECIFICATIONS

- Integration of MPEG-2 Encoder, TS Mux and DVB-T COFDM Modulator in one box
- Multi-channel video interface, 4 composite video (CVBS)
- RF output, DVB-T COFDM compatible.
- Frequency Range: 50~860MHz
- User friendly configuration of RF frequency via Knob and remote web Interface
- Dimension: 40 x132x245mm(WxHxD)
- Weight: 1.0 Kg

4 Ports USB2.0 Extender via CATx Kit

15-UE02

SPECIFICATIONS

- Extend the distance up to 100m/330ft for each USB2.0 port
- Connect USB devices at speed up to 480Mbps with 500mA of power supply on each port
- Plug and play, no configuration needed
- Including USB2.0 Host and Device unit
- Compatible with mouse, keyboard, flash drive and most USB2.0 devices

Specifications	15-UE02	
Type unit	Host	Device
Max cable distance	100m (330ft) over Cat 5/6 (or better) cable	
Max data transfer Speed	USB2.0 480Mbps	
Link connector	1 x RJ45	1 x RJ45
USB connector	1 x USB (Type A Male)	4 x USB (Type A Female)
LED indicator	Link(Green)	Power(Red) and Link (Green)
Power adapter	X	DC5V / 2A
Dimensions	61x31x23mm with 190mmx1 cable	120x65x30mm
Weight	35g	90g
Operating Temperature	0°C to 50°C	

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RoHS CE FC
Specification subject to change without notice.

Economic Speed Dome Controller

15-AU50ES

SPECIFICATIONS

- The controller with keyboard and joystick, LCD display
- Easily ID, Protocols setup on OSD
- RS485 communication
- Set the address range of the dome camera and the decoder: 0~255

Economic 3 Stage Joystick Speed Dome Controller

15-AU50EH

SPECIFICATIONS

- The controller with keyboard and 3 stage joystick, LCD display
- Easily ID, Protocols setup on OSD
- RS485 communication
- Set the address range of the dome camera and the decoder: 0~255

3 Stage Joystick Speed Dome Controller

15-AU50H

SPECIFICATIONS

- The controller with keyboard and 3 stage joystick, multi-function, LCD display
- Support RS-485 communication
- RJ45 connector and terminal block for RS-485
- Speed level adjustable
- Set the address range of the dome camera: 0~255
- Designate part of image swapping function
- Directly control full functions of speed dome camera

Item No.	15-AU50ES	15-AU50EH	15-AU50H
Camera Type	Speed dome camera all function OSD camera all function Zoom lens camera all function		
Video Multiplexer	X		All Function
Baud Rate	2400, 4800, 9600 Bps		
Signal	RS-485 (Multi-Port Half-Duplex)		
Joystick	2D	3D	
RS-485	RJ-45 connector		Terminal block and RJ-45 connector
Power Consumption	0.8 W		3 W
Safety Approval	CE, FCC		
Operation Temp.	0°C ~ 40°C		
Storage Temp.	-10°C ~ 60°C		
Humidity	10%~90% RH, non-condensation		
Transmitting Distance	1,200 m (max)		
Input Voltage	12VDC (-15/+50%)		
Dimensions	130×64×190mm (W×H×D)	130×64×190mm (W×H×D)	330×43×190mm (W×H×D)
Weight	525g	535g	1106g

Luna IR Illuminator

High Performance Infrared Illuminator

15-IL3810 / 15-IL3812 / 15-IL3830 / 15-IL3860

Intelligence High Performance Infrared

15-IL38L10 / 15-IL38L20 / 15-IL38L40 / 15-IL38L60

Intelligence High Performance Laser Infrared

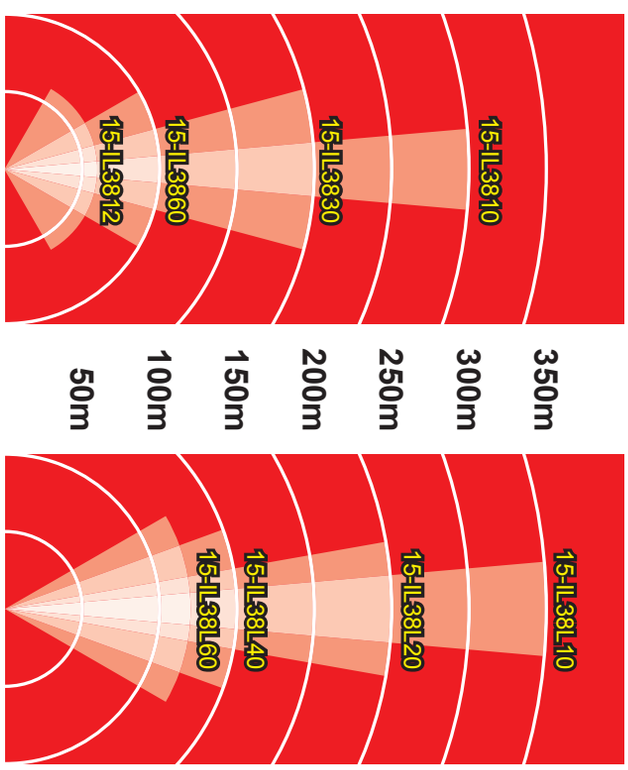
FEATURES

- Accurate constant circuit drive develops excellent performance of LEDs
- Using high power LEDs, high efficacy and long service life
- Ambient brightness display
- Brightness Adjustable (5 step)
- Delay time Adjustable (2-30 sec)
- External trigger mode (NO or NC) Selectable (Trigger in and Trigger out)
- Light on and light off: Ambient brightness adjustable
- Silica gel waterproof circle and water stop line ensure excellent waterproof performance
- Digital light sensor more accurately responses ambient brightness and improve accuracy of automatic light control
- High efficient twice optical lens processing achieves 90% of the luminous efficiency
- New design, slim body, easy and simple installation
- Supplied with paint steel wall mount bracket
- Improved performance of cameras to get better pictures at night time
- Indoor and outdoor use
- IR Remote control

Item No.	15-IL3810	15-IL3830	15-IL3860	15-IL3812
Angle	10°	30°	60°	120°
Distance	300m (984ft)	200m (656ft)	100m (328ft)	60m (196ft)

Item No.	15-IL38L10	15-IL38L20	15-IL38L40	15-IL38L60
Angle	10°	20°	40°	60°
Distance	350m (1148ft)	250m (820ft)	150m (492ft)	120m (393ft)

15-IL38 series



15-IL38L series

SPECIFICATIONS

Item No.	15-IL38 Series	15-IL38L Series
Quantity of LED	3W high power LEDs20 pcs	high power Laser LEDs20 pcs
Wavelength	850nm	
Beam angle	10 -120 degrees	10 - 40 degrees
IR Distance	60 -300m (196 -984 ft)	150 - 350m (492 - 1148 ft)
Day/Night switch	Auto On / Off	
Voltage	AC/DC24V	
Power Consumption	40 W	42 W
Front panel	Vandal PC	
Housing	Aluminum	
Bracket	Wall mount Bracket	
Working Temperature	-20°C ~ + 50°C (-4 to 122°F)	
Protection level	IP68 and IK10	
Color	Black	
Dimension	200 x 150 x 57 mm (W/O bracket)	
Net weight	1.8kg (W/O bracket)	

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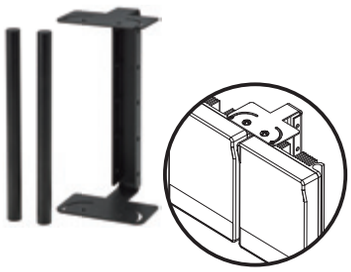
RoHS CE FC

Specification subject to change without notice.

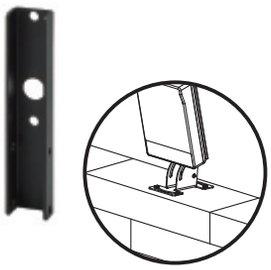
15-IL38 Series Accessories

15-B038BD
Dual panel bracket

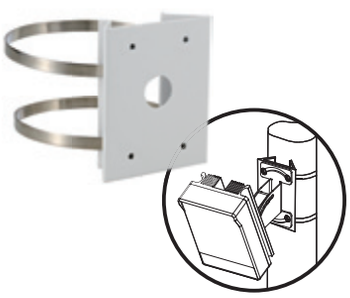


15-B038BM
Triple panel bracket

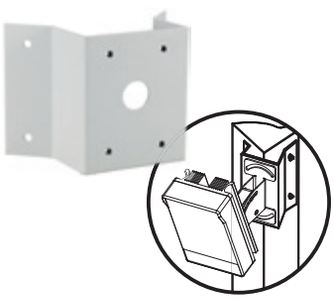
15-B038BT
Stand bracket



15-CD04BSI
Pole bracket



15-CD05BSI
Outside corner bracket



Infrared Illuminator Panel

15-IL05
Infrared Illuminator Panel, 940nm

15-IL058
Infrared Illuminator Panel, 850nm

15-IL05

15-IL058

FEATURES

- 15-IL05: 940nm Infrared LEDsx140PCs, 60°@10 meters
- 15-IL058: 850nm Infrared LEDsx140PCs, 60°@50 meters
- Automatic switch on/off by Photo Sensor
- NO Type Synchronous trigger output (15-IL058)
- IP65 Weatherproof
- Power consumption: DC12V, 1A
- Supplied with bracket
- Dimensions: 122x161x25mm(WxHxD) (w/o bracket)
- Weight: 260 g (w/o bracket)

COP SECURITY™

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2014 vol.2

ISO 9001 FM 40487